



Muskrat Falls Project

Monthly Report

November 2014

January 15, 2015



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1.0 Monthly Report Overview

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

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

The report includes details on construction and procurement activities, construction costs, safety and environmental activities, and details on stakeholder and community consultation and engagement initiatives during the reporting period. The report also provides detailed statistical tables summarizing employment and expenditure benefits generated from the Muskrat Falls development.

This report covers the activities for the month of November 2014. Construction work during this period primarily took place in Labrador at the south side of the Muskrat Falls hydroelectric generating facility (including reservoir clearing), at Shoal Cove and Forteau Point in the Strait of Belle Isle (SOBI), along the transmission right-of-way clearing between Muskrat Falls and Churchill Falls and Muskrat Falls and southern Labrador, at the Churchill Falls plant, at Soldiers Pond on the Avalon Peninsula, as well as Engineering and Design and Project Management activities, which occurred primarily in St. John's.

2.0 Highlights this Month

A number of construction milestones were achieved in November including:

- completion of site preparation and earthworks for the new converter station, switchyard and synchronous condenser facilities at Soldiers Pond;
- finalization of the geotechnical investigations at Soldiers Pond;
- finalization of the geotechnical investigations at the Muskrat Falls and Churchill Falls sites; and,
- continued progress by Valard Construction for tower assembly, tower erection, foundation assembly and installation for the transmission line between Muskrat Falls and Churchill Falls. By the end of November, 367 towers were assembled, 79 were erected, and 325 foundations were installed.

¹ This report is prepared by Lower Churchill Management Corporation (LCP), 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.

3.0 Construction Update

3.1 Muskrat Falls Hydroelectric Generating Facility

Astaldi Canada is the main contractor for the intake, powerhouse, spillway, and transition dams. The following highlights some of the major construction work completed by Astaldi throughout the month of November.

- Ongoing mobilization and set up of offices and temporary facilities (maintenance building, heated warehouse and carpenter shop) at the contractor's laydown area as well as at the intake, powerhouse and spillway sites.
- Efforts were ongoing to complete winterization of all site infrastructures prior to the onset of cold weather conditions.
- Concrete placement in the centre transition dam, separation wall and south transition dam continued during the period, along with foundation preparation and formwork erection for the north and south transition dams.
- Installation of formwork, reinforcement and concrete placement continued for the spillway piers and abutments.
- Erection of the structural steel for the Integrated Cover Structure (ICS) continued during the period at the powerhouse, intake and south service bay. Installation of roofing and exterior insulation and steel cladding progressed, and five overhead cranes were placed in the ICS.



Construction work by Astaldi Canada on the spillway for Muskrat Falls.

Other activities related to the Muskrat Falls generating facility that were outside of Astaldi's scope continued throughout the month. These are discussed below.

- Work is nearing completion on the Sports Complex and Administrative Buildings. Installation of the gym floor at the sports complex has been completed, and the facility is scheduled to open in early 2015. Electrical commissioning and utilities have been fully completed on the main administration building, and commissioning of fire systems has commenced.

- Manufacturing of the turbines and generators by Andritz Hydro Canada is proceeding on schedule and the assembly of Unit No. 1 runner and tower assembly is underway in China.
- Manufacturing of the primary anchor materials for the intake, powerhouse and spillway is continuing by Andritz. Fabrication of embedded parts for the spillway and for the intake primary anchor progressed during the period.
- The clearing the north and south banks of the Muskrat Falls reservoir is progressing well and ahead of schedule. Approximately 1,200 hectares have been cleared to date. Final cleanup of the north side blocks are nearing completion, and all river based work has been completed for 2014.

3.2 Labrador Transmission Assets

The contract for the construction of AC Substations was awarded to Alstrom Grid Canada Inc. and work continues on the preparation of management, technical and commercial deliverables.

The Labrador marshalling yard operation, which supports the HVac transmission line construction activities, is ongoing. Receipt and issuance of materials such as steel towers, foundations, hardware, guy wire and conductor continued for the HVac transmission line.

Valard Construction is continuing with mobilization efforts including set up of modular offices and camp facilities. As previously reported, the North Spur camp is in full operation, and there are two camps currently being occupied as temporary camps - at 123 km and at the 150 km mark. The permanent camps are scheduled for occupancy in December 2014. Utilization of the camp at Churchill Falls is also now underway, allowing for commencement of this work on the transmission line.

Construction activities for the HVac transmission line by Valard continued to progress during the period with ongoing tower assembly, tower erection, foundation assembly and installation. By the end of November, 367 towers were assembled, 79 were erected, and 325 foundations were installed. Work continues on the development of access routes for the distribution of materials along the transmission line right-of-way (ROW).



3.3 Labrador-Island Transmission Link (LIL)

Manufacturing and testing of the submarine cable in Japan by Nexans Norway AS is progressing as planned. Factory Acceptance Testing (FAT) of the first land cable was successfully completed at the Futtsu facility in Japan, and armoring of the first submarine cable is complete. Insulation impregnation of the second submarine cable and conductor stranding of the third cable is ongoing. Fiber optic manufacturing and testing of the third cable was previously completed in Norway and is awaiting shipment to Japan.

Additional highlights of activities on the LIL include:

- The quarry operation at Forteau Point by Tideway (Luxembourg) S.A. has been completed for the 2014 season. The quayside is partially constructed and crib installation and completion are scheduled for 2015. Approximately 435,000 tonnes of spec rock has been produced.
- Construction activities on the HVdc transmission line connecting Muskrat Falls to Soldiers Pond are progressing well with the installation of guy anchors and foundations.
- Construction of the first camp is near completion and is currently being occupied as a temporary camp until permitted for permanent camp occupancy scheduled for the coming months.
- ROW clearing and access development is proceeding well with approximately 965 hectares cleared to date.
- Mass fabrication activities of materials for the HVdc transmission line towers are continuing in Texas, Dubai and India. Activity at the marshalling yard established at the Port of Argentinia to support the island portion of HVdc construction is ongoing.
- Work continued on the preparation of management, technical, and commercial deliverables by Alstrom Grid Canada Inc. for the supply and installation of converters and cable transition compounds.
- Site preparation and earthworks for the new converter station, switchyard and synchronous condenser facilities at Soldiers Pond was completed.



Construction at Soldiers Pond started in April 2014. Approximately 20 hectares of land was cleared by H.J. O'Connell. The site was ready for construction of the converter station and switchyard at the end of November 2014.

4.0 Procurement

Detailed information on procurement activities during the month is provided in Section 11.2 of this report and includes listings of contracts awarded during the reporting period, as well as issued and upcoming requests for proposals. Appendix B lists the successful bidder(s) for all contract packages awarded since project sanction. Information on forecasted, issued and awarded contracts is also available on the LCP project website at: <https://muskratfalls.nalcorenergy.com/procurement/>.

5.0 Construction Cost Summary

The projects were sanctioned in December 2012 with direct facilities capital cost of \$6.20 billion plus financing costs to be capitalized during the period up to in-service. In June 2014, the direct facilities capital cost for the projects was updated. The current facilities capital cost forecast for the projects is \$6.99 billion.

5.1 Incurred Cost Overview

Table 1 summarizes the incurred costs for the project for the month of November 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.

Table 1 - Incurred costs for Muskrat Falls Project to November 2014 (Costs in CAD (\$Thousands))*

Project Component	DG3 Estimate	June 2014 Cost Estimate	Incurred Cost Current Month	Incurred Cost Project to Date
Muskrat Falls Hydroelectric Generating Facility	\$2,901,158	\$3,371,989	\$71,256	\$1,202,337
Labrador Transmission Assets	\$691,582	\$831,945	\$16,310	\$285,575
Labrador-Island Transmission Link	\$2,609,749	\$2,786,480	\$68,689	\$537,658
Total	\$6,202,489	\$6,990,414	\$156,255	\$2,025,570

* Value excludes interest during construction and capitalized financing costs

5.2 Monthly Expenditure Overview

- Total expenditures paid for the Muskrat Falls Project were approximately \$99 million in November 2014. This included over \$32 million to Newfoundland and Labrador businesses.
- From January 2013 to the end of the reporting period in November 2014, \$662 million has been spent with Newfoundland and Labrador-based companies.

Detailed expenditure information is provided in Section 11.1 of this report.

6.0 Safety and Environment

6.1 Safety

LCP and all contractors working on the Muskrat Falls Project have a relentless commitment to the safety of workers and the public. Safety performance is monitored each month. The following table outlines the Health and Safety indicators and measurements for the month of November and for the project to date.

Indicator	November 2014	Project to Date
Safety Step Backs completed	19,456	246,800
Work site inspections	1,031	8,164
Orientations completed	808	13,476
Lost-time injuries	0	3
Medical aid incidents	7	23

On November 27, 2014, about 90 team members from LCP, Nalcor and LCP's contractors took part in a LCP Contractor Safety Forum in Happy Valley-Goose Bay. The full-day safety event had a strong focus on engagement and the role safety leadership plays in ensuring we have a safe work environment where every worker and person stays safe. The event encouraged an open dialogue to transfer knowledge, share views and ideas about safety with the goal to learning new approaches and perspectives for safety leadership among LCP contractors.

6.2 Environment

The LCP environmental team is committed to maintaining a high standard of environmental responsibility that will help to sustain a diverse and healthy environment for generations of Newfoundlanders and Labradorians.

When the reservoir is created at the Muskrat Falls hydroelectric generating facility in 2016, increases in methyl mercury levels are predicted downstream, peaking approximately 10-15 years later and then returning to current levels over time. This is consistent with other hydroelectric developments around the world. During the environmental assessment process for the generation projects, LCP committed to measure baseline methyl mercury levels in communities adjacent to the lower Churchill River before the reservoir is created at Muskrat Falls. Nalcor will also carry out regular monitoring on the lower Churchill River each year. Results of monitoring, combined with baseline levels, will determine when consumption advisories for certain foods are needed based on guidelines established by Health Canada.

In November, LCP conducted research to determine baseline methyl mercury levels in Labrador communities adjacent to the Churchill River. The research involved gathering data for dietary surveys and collecting hair samples from residents of all ages from Sheshatshiu, North West River, Happy Valley-Goose Bay, and Churchill Falls. LCP is seeking 330 people of all ages to participate in the study and to date approximately 275 residents have participated. The team plans to visit Mud Lake in early 2015 and final results of the research are expected in mid-2015.

Additional information on LCP's environmental programs and report for the project can be found online at: www.muskratfalls.nalcorenergy.com/environment

7.0 Employment, Benefits and Community Engagement

This section provides information on employment benefits generated during the month as well as details on some of the community consultation and engagement activities undertaken 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, in addition to provincial and federal environmental regulatory commitments.

7.1 Employment Highlights

Following is the employment information for the projects in November 2014. Detailed employment information and statistics are outlined in Section 10.

- In November, over 751,000 hours were worked by 4,015 individuals on the projects, including over 694,000 hours of work in Labrador.
- During the month of November, 3,274 residents of Newfoundland and Labrador were employed on the projects, representing over 81 per cent of the total persons employed.
- In November, there were 3,539 people working in Labrador, of whom 1,147 were Labrador residents (about 32 per cent). Of these 1,147 Labrador residents, 434 self-identified themselves as a member of a Labrador Aboriginal group (about 38 per cent).

7.2 Recruitment Activities

Employers continue to utilize musktratfallsjobs.com as a tool to find qualified residents of the province to fill existing positions.

7.3 Training and Development

7.3.1 Workplace Orientation

To foster a safe and respectful workplace, all workers complete mandatory training in site safety rules and procedures, respectful workplace protocols, and gender and cultural awareness. Workers also participate in a specific session on Innu culture, which is delivered by an Innu business.

7.3.2 Innu Workplace Orientation

In November, LCP staff continued to deliver a comprehensive workplace orientation developed specifically for Innu Nation members who are working with various contractors/subcontractors.

7.3.3 Labrador Aboriginal Training Partnership (LATP) Support

In November, LATP training programs continued throughout the month and planning for programs continued for future course offerings. During the month, 19 students progressed in the second offering of the Tower Steel Assembly program. LATP also continued to provide safety certification training to clients throughout the month, as well as general employment supports to Aboriginal clients.

7.3.4 LCP Supervisory Development Program

In November, the LCP Supervisor Development Program continued. The program will continue into 2015 until all supervisory staff has taken the program.

7.4 Gender Equity and Diversity

7.4.1 Employment of Women and Apprenticeships

In November, 547 women were working on all project components, comprising about 14 per cent of the total workforce. Of these, 294 were working in construction, 24 in engineering, 89 in project management, and 140 in project support. Of the 547 women working on the project, 505 of these women are Newfoundland and Labrador residents.

During the month of November, 366 apprentices were employed, of whom 31 were women.

7.4.2 Promoting Women in Trades

LCP continued to work with Women in Resource Development Corporation (WRDC) where this agency continues to provide practical support to women in the province who wish to pursue employment in the construction sector.

7.4.3 Gender Equity and Diversity Initiatives

During the month all LCP staff were provided with information and resources for the *Respect Women Campaign/16 Day to End Gendered Violence Campaign*. LCP staff participated in Violence Prevention Labrador Virtual Conversation Café, and Women and Addictions Session, both of which were sponsored by Mokami Status of Women.

For worker wellness and retention, LCP staff participated in Mental Wellness and Depression Session, sponsored by Nunatisiavut Government Social and Health Department. In addition LCP staff assisted staff of the WRDC to prepare Women's Wellness Kits for workers at site for 2015.

7.4.4 Persons with Disabilities

LCP continued to work with contractors, unions, and community groups to develop strategies to accommodate persons with disabilities who are interested in employment opportunities with LCP, including potential internships for persons with disabilities.

7.4.5 Childcare Initiatives

LCP staff worked with members of Innu Nation Employment Team to support Innu individuals who are interested in pursuing Early Childhood Education at College of the North Atlantic.

7.5 Labrador Innu Initiatives

7.5.1 Impacts and Benefits Agreement (IBA) Implementation Activities

The number of Innu working on the project declined in November due to project workforce reductions associated with shifting work priorities by contractors and the winter construction season. During November, 201 Labrador Innu were working at Muskrat Falls and transmission line sites in Labrador. As in previous months, Innu employees were working in a wide range of occupations, including

construction trades, labourers, camp accommodations and food services. The Innu workforce included persons occupying management, apprenticeship, foreperson and shop steward positions.

An exit survey was developed to gain feedback from Innu workers who leave employment on the project. LCP's Innu Employment and Training Coordinators will conduct interviews with former LCP workers to gain information about their employment experience to identify positive elements and areas where measures may be taken to improve the employment experience for Innu workers.

The joint Nalcor-Innu Nation Environmental Management Committee met on November 26. The agenda included: a project update, permit update, and the details on the baseline dietary survey and human hair sampling program in Sheshatshiu.

7.6 Community Engagement

7.6.1 Public Inquiries

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 for people to apply for jobs (muskratfallsjobs.com) as well as a website that provides information on project construction activities (muskratfalls.nalcorenergy.com). In addition, people can contact LCP through the toll-free number or email or by dropping into the project office in Happy Valley-Goose Bay.

7.6.2 Community Liaison Committee

The Upper Lake Melville Community Liaison Committee (CLC) will meet for its regular quarterly meeting in December. Presentations and CLC meeting minutes can be found at: muskratfalls.nalcorenergy.com/in-the-community.

7.7 Community Investment

LCP is committed to giving back to the communities in which it operates and where its workers live. As part of the corporate community investment program, LCP makes investments in Labrador to help ensure Labrador-based organizations and events remain vibrant and have a positive impact on the community overall.

To date in 2014, LCP has made over \$115,000 in community investments in Labrador with the majority of that investment in the Upper Lake Melville region. The following are some of the initiatives supported in November:

- **The Labrador Creative Arts Festival (LCAF)** is designed to provide school children across Labrador with the opportunity to express themselves through art. Every year students in schools across Labrador are given a theme on which to produce a play that is performed in Happy Valley – Goose Bay during “Arts Fest” week. Visiting artists are dispersed throughout Labrador to ensure that the children who could not make the trip to central Labrador were not left out of Arts Fest week.
- **The 20th Annual Happy Valley-Goose Bay Rotary Club TV Auction** is the key fundraiser for the Happy Valley-Goose Bay Rotary Club. Funds raised are used to support various community groups such as the Jack Rabbit Program, Hope Air, Santa to the Coast, and high school speak offs.

8.0 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 January 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.

9.0 Abbreviations and Acronyms

Abbreviation/Acronym	Definition
AES	Advanced Education and Skills
BMRS	Benefits Monitoring and Reporting System
C&A	Construction and Assembly
CEC	Conduit End Connection
CLC	Community Liaison Committee
CNA	College of the North Atlantic
DG3	Decision gate 3
E&D	Engineering and Design
EMS	Environmental Management System
FAT	Factory Acceptance Testing
HDD	Horizontal Directional Drilling
HVac	High voltage AC transmission
HVdc	High voltage DC transmission
IBA	Impacts and Benefits Agreement
ICS	Integrated Cover Structure
INT	International (Location of Work or Company)
kV	Kilovolt
LATP	Labrador-Aboriginal Training Partnership
LCP	Lower Churchill Project
LHAFA	Labrador Hunting and Fishing Association
LITL	Labrador-Island Transmission Link
LTA	Labrador Transmission Assets
MFG	Muskrat Falls Hydroelectric Generation Facility
MW	Megawatt
OAWA	Office to Advance Women Apprentices
NLOWE	Newfoundland and Labrador Organization of Women Entrepreneurs
OC	Other Canada
PM	Project Management
Res	Residents of Newfoundland and Labrador
RFP	Request for Proposal
ROW	Right of Way
SOBI	Strait of Belle Isle
WRDC	Women in Resource Development Corporation

10.0 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 Aboriginal affiliation
- Employment by Gender

10.1 Total Employment

Tables 2 through 4 break out the project employment in both person hours and persons employed by location of work and residency.

Table 2 - Person Hours of Employment by Location of Work and Residency – November 2014

	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
Work Location	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	41,988	78.8%	540	1.0%	9,802	18.4%	932	1.7%	53,261
Labrador	350,234	50.5%	217,397	31.3%	119,882	17.3%	6,674	1.0%	694,186
Other Canada	10	0.3%	-	0.0%	2,871	92.0%	240	7.7%	3,120
International	-	0.0%	-	0.0%	-	0.0%	1,039	100.0%	1,039
Total	392,231	52.2%	217,937	29.0%	132,554	17.6%	8,885	1.2%	751,606

Table 3 - Person Hours of Employment by Location of Work and Residency – Project to Date

	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
Work Location	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	1,041,290	69.3%	37,453	2.5%	394,834	26.3%	28,083	1.9%	1,501,659
Labrador	2,860,601	50.4%	2,016,838	35.5%	748,360	13.2%	54,874	1.0%	5,680,674
Other Canada	528	0.4%	-	0.0%	128,736	97.1%	3,301	2.5%	132,565
International	-	0.0%	-	0.0%	35	0.4%	8,253	99.6%	8,288
Total	3,902,420	53.3%	2,054,291	28.1%	1,271,965	17.4%	94,510	1.3%	7,323,186

Table 4 - Number of Persons Employed by Location of Work and Residency – November 2014

	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
Work Location	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	364	82.2%	3	0.7%	69	15.6%	7	1.6%	443
Labrador	1,759	49.7%	1,147	32.4%	600	17.0%	33	0.9%	3,539
Other Canada	1	3.4%	-	0.0%	27	93.1%	1	3.4%	29
International	-	0.0%	-	0.0%	-	0.0%	4	100.0%	4
Total	2,124	52.9%	1,150	28.6%	696	17.3%	45	1.1%	4,015

10.2 Employment by NOC Code

Tables 5 and 6 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, Aboriginal affiliation and for residents of Labrador is also provided in Appendix A.

Table 5 - Person Hours of Employment by 2-Digit NOC Code – November 2014 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	2,512	53	622	3,187	29,307	7,431	16,578	53,315
01-05 - Specialized middle management occupations	9,725	1,478	5,897	17,099	115,637	63,096	119,624	298,357
07-09 - Middle management occupations in trades, transportation, production and utilities	7,881	270	2,713	10,864	67,347	11,989	29,685	109,021
11 - Professional occupations in business and finance	3,417	288	3,375	7,080	35,772	15,016	66,065	116,852
12 - Administrative and financial supervisors and administrative occupations	8,595	2,183	8,246	19,024	104,898	110,095	147,962	362,954
13 - Finance, insurance and related business administrative occupations	658	128	1,894	2,679	10,084	8,396	31,008	49,487
14 - Office support occupations	10,456	-	-	10,456	61,806	-	2,137	63,943
21 - Professional occupations in natural and applied sciences	29,748	8,359	15,906	54,013	321,194	343,758	298,081	963,033
22 - Technical occupations related to natural and applied sciences	20,427	4,554	7,509	32,489	179,638	208,870	104,095	492,604
32 - Technical occupations in health	3,336	-	-	3,336	46,823	-	2,212	49,035
41 - Professional occupations in law and social, community and government services	3,721	1,329	1,649	6,699	80,099	40,049	31,770	151,917
43 - Occupations in front-line public protection services	250	-	-	250	2,372	-	314	2,686
63 - Service supervisors and specialized service occupations	4,747	-	370	5,117	61,154	-	4,879	66,033
65 - Service representatives and other customer and personal services occupations	9,708	240	-	9,948	122,963	3,001	6,542	132,506
67 - Service support and other service occupations, n.e.c.	34,750	-	-	34,750	236,768	-	4,112	240,880
72 - Industrial, electrical and construction trades	256,145	200	271	256,616	1,538,935	1,645	33,703	1,574,283
73 - Maintenance and equipment operation trades	42,113	-	28	42,141	431,913	1,984	3,620	437,517
74 - Other installers, repairers and servicers and material handlers	5,118	-	46	5,163	32,515	48	4,675	37,238
75 - Transport and heavy equipment operation and related maintenance occupations	90,845	-	11	90,856	1,036,588	1,363	6,893	1,044,843
76 - Trades helpers, construction labourers and related occupations	117,346	-	-	117,346	844,704	3,373	8,429	856,506
82 - Supervisors and technical occupations in natural resources, agriculture and related production	20,780	-	-	20,780	189,879	-	6,481	196,359
86 - Harvesting, landscaping and natural resources labourers	1,103	-	140	1,243	20,246	60	1,257	21,563
92 - Processing, manufacturing and utilities supervisors and central control operators	472	-	-	472	2,209	-	46	2,254
All Occupation Categories	683,852	19,081	48,674	751,606	5,572,850	820,172	930,163	7,323,185

Table 6 – Residents Hired by 2-Digit NOC Code – November 2014

2-Digit NOC	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	4	11	36%	-	2	0%	5	5	100%	9	18	50%
01-05 - Specialized middle management occupations	27	56	48%	5	11	45%	35	42	83%	67	109	61%
07-09 - Middle management occupations in trades, transportation, production and utilities	18	37	49%	2	2	100%	8	16	50%	28	55	51%
11 - Professional occupations in business and finance	9	16	56%	2	2	100%	24	25	96%	35	43	81%
12 - Administrative and financial supervisors and administrative occupations	31	49	63%	11	15	73%	42	54	78%	84	118	71%
13 - Finance, insurance and related business administrative occupations	2	3	67%	1	1	100%	15	15	100%	18	19	95%
14 - Office support occupations	50	50	100%	-	-	0%	-	-	0%	50	50	100%
21 - Professional occupations in natural and applied sciences	81	156	52%	21	66	32%	105	118	89%	207	340	61%
22 - Technical occupations related to natural and applied sciences	69	113	61%	21	33	64%	52	56	93%	142	202	70%
32 - Technical occupations in health	23	24	96%	-	-	0%	-	-	0%	23	24	96%
41 - Professional occupations in law and social, community and government services	24	29	83%	7	9	78%	15	16	94%	46	54	85%
43 - Occupations in front-line public protection services	1	1	100%	-	-	0%	-	-	0%	1	1	100%
63 - Service supervisors and specialized service occupations	21	22	95%	-	-	0%	2	2	100%	23	24	96%
65 - Service representatives and other customer and personal services occupations	55	58	95%	1	1	100%	-	-	0%	56	59	95%
67 - Service support and other service occupations, n.e.c.	176	180	98%	-	-	0%	-	-	0%	176	180	98%
72 - Industrial, electrical and construction trades	1,017	1,240	82%	1	1	100%	10	10	100%	1,028	1,251	82%
73 - Maintenance and equipment operation trades	159	211	75%	-	-	0%	1	1	100%	160	212	75%
74 - Other installers, repairers and servicers and material handlers	22	25	88%	-	-	0%	6	6	100%	28	31	90%
75 - Transport and heavy equipment operation and related maintenance occupations	423	485	87%	-	-	0%	1	1	100%	424	486	87%
76 - Trades helpers, construction labourers and related occupations	556	615	90%	-	-	0%	-	-	0%	556	615	90%
82 - Supervisors and technical occupations in natural resources, agriculture and related production	103	112	92%	-	-	0%	-	-	0%	103	112	92%
86 - Harvesting, landscaping and natural resources labourers	5	7	71%	-	-	0%	1	1	100%	6	8	75%
92 - Processing, manufacturing and utilities supervisors and central control operators	4	4	100%	-	-	0%	-	-	0%	4	4	100%
All Occupation Categories	2,880	3,504	82%	72	143	50%	322	368	88%	3,274	4,015	82%

10.3 Employment by Location of Work

Tables 7 and 8 summarize employment by location of work.

Table 7 - Person Hours of Employment by Location of Work – November 2014 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	8,104	13,214	31,944	53,261	271,272	581,344	649,044	1,501,659
Labrador	672,296	5,304	16,587	694,186	5,258,409	147,608	274,656	5,680,674
Total NL	680,399	18,518	48,530	747,447	5,529,682	728,952	923,700	7,182,333
Other Canada	2,558	563	-	3,120	37,570	91,111	3,883	132,565
Total Canada	682,957	19,081	48,530	750,567	5,567,252	820,063	927,583	7,314,898
International	895	-	144	1,039	5,598	109	2,581	8,288
All Locations	683,852	19,081	48,674	751,606	5,572,850	820,172	930,164	7,323,186

Table 8 – Residents Hired by Location of Work – November 2014

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	74	76	97%	46	103	45%	247	264	94%	367	443	83%
Labrador	2,805	3,402	82%	26	34	76%	75	103	73%	2,906	3,539	82%
Total NL	2,879	3,478	83%	72	137	53%	322	367	88%	3,273	3,982	82%
Other Canada	1	23	4%	-	6	0%	-	-	0%	1	29	3%
Total Canada	2,880	3,501	82%	72	143	50%	322	367	88%	3,274	4,011	82%
International	-	3	0%	-	-	0%	-	1	0%	-	4	0%
Total	2,880	3,504	82%	72	143	50%	322	368	88%	3,274	4,015	82%

10.4 Employment by Aboriginal Affiliation

Tables 9 through 13 summarize employment by Aboriginal Affiliation.

Table 9 - Person Hours of Employment by Aboriginal Affiliation – November 2014 and Project to Date

Aboriginal Group	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
Labrador Innu ^(a)	32,810	-	593	33,402	386,573	-	3,527	390,100
Nunatsiavut ^(a)	23,058	210	574	23,842	215,349	12,199	8,753	236,300
NunatuKavut ^(a)	22,928	180	656	23,764	253,250	4,055	9,622	266,927
Other NL Aboriginal ^(a)	10,088	-	190	10,278	94,010	-	1,140	95,150
Aboriginal - Other Canada	2,740	-	173	2,913	23,820	-	1,752	25,572
Non-Aboriginal ^(b)	592,229	18,691	46,489	657,408	4,673,154	804,169	831,814	6,309,137
All Groups	683,852	19,081	48,674	751,606	5,646,155	820,423	856,607	7,323,185

^(a) Also NL residents

^(b) Includes residents and non-residents

Table 10 – Persons Employed by Aboriginal Affiliation – November 2014

Aboriginal Group	C&A		E&D		PM		Total	
	Persons	%	Persons	%	Persons	%	Persons	%
Residents								
Labrador Innu	198	6.9%	-	0.0%	3	0.9%	201	6.1%
Nunatsiavut	118	4.1%	1	1.4%	4	1.2%	123	3.8%
NunatuKavut	108	3.8%	1	1.4%	4	1.2%	113	3.5%
Other Aboriginal	51	1.8%	-	0.0%	1	0.3%	52	1.6%
All Aboriginal	475	16.5%	2	2.8%	12	3.7%	489	14.9%
Non-Aboriginal	2,405	83.5%	70	97.2%	310	96.3%	2,785	85.1%
Total	2,880	100%	72	100%	322	100%	3,274	100%
Non Residents								
Aboriginal – Canada	21	3.4%	-	0.0%	1	2.2%	22	3.0%
Non-Aboriginal	603	96.6%	71	100.0%	45	97.8%	719	97.0%
Total	624	100%	71	100%	46	100%	741	100%
Summary								
Aboriginal	496	14.2%	2	1.4%	13	3.5%	511	12.7%
Non-Aboriginal	3,008	85.8%	141	98.6%	355	96.5%	3,504	87.3%
Total	3,504	100%	143	100%	368	100%	4,015	100%

Tables 11 through 13 summarize the employment of Aboriginal people and non-Aboriginal people both in terms of hours worked and persons employed by location of work during the month and for the Project to Date.

Table 11 - Person Hours of Employment by Location of Work and Aboriginal Affiliation- November 2014

Work Location	Labrador Innu		NunatuKavut		Nunatsiavut		Other Aboriginal		Non-Aboriginal		Total
	At Location	%	At Location	%	At Location	%	At Location	%	At Location	%	
Island	-	0.0%	260	0.5%	280	0.5%	190	0.4%	52,532	98.6%	53,261
Labrador	33,402	4.8%	23,504	3.4%	23,562	3.4%	13,001	1.9%	600,717	86.5%	694,186
Other Canada	-	0.0%	-	0.0%	-	0.0%	-	0.0%	3,120	100.0%	3,120
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	1,039	100.0%	1,039
All Locations	33,402	4.4%	23,764	3.2%	23,842	3.2%	13,191	1.8%	657,408	87.5%	751,606

Table 12 - Person Hours of Employment by Location of Work and Aboriginal Affiliation- Project to Date

Work Location	Labrador Innu		NunatuKavut		Nunatsiavut		Other Aboriginal		Non-Aboriginal		Total
	At Location	%	At Location	%	At Location	%	At Location	%	At Location	%	
Island	-	0.0%	14,966	1.0%	2,447	0.2%	9,303	0.6%	1,474,943	98.2%	1,501,659
Labrador	390,100	6.9%	251,961	4.4%	233,854	4.1%	111,405	2.0%	4,693,354	82.6%	5,680,674
Other Canada	-	0.0%	-	0.0%	-	0.0%	13	0.0%	132,552	100.0%	132,565
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	8,288	100.0%	8,288
All Locations	390,100	5.3%	266,927	3.6%	236,300	3.2%	120,721	1.6%	6,309,138	86.2%	7,323,186

Table 13 – Number of Persons Employed by Location of Work and Aboriginal Affiliation- November 2014

Work Location	Labrador Innu		NunatuKavut		Nunatsiavut		Other Aboriginal		Non-Aboriginal		Total
	At Location	%	At Location	%	At Location	%	At Location	%	At Location	%	
Island	-	0.0%	2	0.5%	1	0.2%	1	0.2%	439	99.1%	443
Labrador	201	5.7%	111	3.1%	122	3.4%	73	2.1%	3,032	85.7%	3,539
Other Canada	-	0.0%	-	0.0%	-	0.0%	-	0.0%	29	100.0%	29
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	4	100.0%	4
All Locations	201	5.0%	113	2.8%	123	3.1%	74	1.8%	3,504	87.3%	4,015

10.5 Employment by Gender

Tables 14 and 15 summarize employment by gender.

Table 14 - Person Hours of Employment by Gender – November 2014 and Project to Date

Gender	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
Female	78,817	2,926	11,171	92,913	680,309	129,845	218,521	1,028,675
Male	605,035	16,155	37,503	658,693	4,965,846	690,579	638,086	6,294,510
Total	683,852	19,081	48,674	751,606	5,646,155	820,423	856,607	7,323,185

Table 15 – Persons Employed by Gender – November 2014

Gender	C&A		E&D		PM		Total	
	Persons	%	Persons	%	Persons	%	Persons	%
Residents								
Female	401	13.9%	20	27.8%	84	26.1%	505	15.4%
Male	2,479	86.1%	52	72.2%	238	73.9%	2,769	84.6%
Total	2,880	100%	72	100%	322	100%	3,274	100%
Non Residents								
Female	33	5.3%	4	5.6%	5	10.9%	42	5.7%
Male	591	94.7%	67	94.4%	41	89.1%	699	94.3%
Total	624	100%	71	100%	46	100%	741	100%
Summary								
Female	434	12.4%	24	16.8%	89	24.2%	547	13.6%
Male	3,070	87.6%	119	83.2%	279	75.8%	3,468	86.4%
Total	3,504	100%	143	100%	368	100%	4,015	100%

11.0 Expenditures and Procurement

Expenditures are captured through direct enter 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.

11.1 Expenditures by Location of Company and Industry Category

Table 16 below summarizes the project expenditures made during November 2014 by industry and company location.

Table 16 - Total Value of Expenditures by Location of Company and Industry Category (\$CDN) - November 2014

Industry	Labrador	Newfoundland	Other Canada	Non-Canadian	Totals
Accommodation and Food Services	13,504	5,471,625	349	-	5,485,478
Administrative and Support, Waste Management and Remediation Services	2,700	1,538	-	-	4,238
Agriculture, Forestry, Fishing and Hunting	-	-	-	-	-
Arts, Entertainment and Recreation	-	-	-	-	-
Construction	264,233	17,030,590	27,835,031	2,960,223	48,090,077
Educational Services	6,000	-	-	-	6,000
Finance and Insurance	-	16,240	21,750	-	37,990
Health Care and Social Assistance	-	-	-	-	-
Information and Cultural Industries	-	13,677	94,654	14,000	122,331
Management of Companies and Enterprises	-	-	-	-	-
Manufacturing	-	207,628	9,709,042	8,311,559	18,228,229
Mining, Quarrying, and Oil and Gas Extraction	-	302,491	4,815,774	-	5,118,265
Other Services, Including Maintenance and Repair	-	1,566,850	21,200	26,828	1,614,878
Professional, Scientific and Technical Services	45,380	2,743,359	10,530,633	518,324	13,837,697
Public Administration	-	52,156	-	-	52,156
Real Estate, Rental and Leasing	18,500	13,132	-	-	31,632
Retail Trade	-	132,380	6,142	-	138,522
Transportation and Warehousing	710,063	1,952,101	1,421,311	-	4,083,474
Utilities	-	1,618,170	164,200	-	1,782,370
Wholesale Trade	75,803	28,998	13,481	-	118,281
Grand Total	1,136,182	31,150,934	54,633,568	11,830,934	98,751,618

Table 17 below summarizes the project expenditures made for the Project to Date by industry and company location.

Table 17 - 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	1,402,779	39,257,054	319,161	-	40,978,994
Administrative and Support, Waste Management and Remediation Services	610,082	10,562,386	262,841	-	11,435,308
Agriculture, Forestry, Fishing and Hunting	15,000	40,196,213	769,972	-	40,981,185
Arts, Entertainment and Recreation	89,124	19,117	-	16,611	124,853
Construction	168,250,532	181,894,483	303,273,389	9,659,935	663,078,339
Educational Services	112,350	65,253	1,118,841	10,325	1,306,769
Finance and Insurance	-	14,435,315	27,256,465	340,160	42,031,941
Health Care and Social Assistance	1,000	4,122,509	-	-	4,123,509
Information and Cultural Industries	7,000	519,194	1,037,436	467,957	2,031,586
Management of Companies and Enterprises	-	-	-	-	-
Manufacturing	17	5,749,014	96,020,994	57,054,300	158,824,326
Mining, Quarrying, and Oil and Gas Extraction	9,000	1,257,643	14,066,117	1,200	15,333,960
Other Services, Including Maintenance and Repair	698,635	17,154,757	899,633	70,509	18,823,534
Professional, Scientific and Technical Services	4,524,590	82,902,224	161,862,472	6,991,628	256,280,914
Public Administration	7,558,555	1,932,631	1,344,421	-	10,835,607
Real Estate, Rental and Leasing	248,220	369,131	-	-	617,351
Retail Trade	734,812	6,052,404	127,930	-	6,915,146
Transportation and Warehousing	3,898,576	8,524,032	9,357,083	-	21,779,690
Utilities	727,617	55,077,890	2,807,136	5,188	58,617,832
Wholesale Trade	1,326,928	1,483,024	1,608,030	14,299,407	18,717,389
Totals	190,214,818	471,574,273	622,131,921	88,917,221	1,372,838,233

11.2 Procurement

Tables 18 and 19 provide details on procurement activities for all components of the Muskrat Falls Project. Table 18 lists the contracts awarded during November. Appendix B contains a list of all contracts awarded to date since Project Sanction.

Table 18 –Contracts Awarded During November, 2014

Package #	Package Title	Award Date	Successful Bidder(s)
No contracts were awarded during November, 2014			

Table 19 lists the contract packages for which the RFPs have been issued but the packages have yet to be awarded as of November, 2014.

Table 19 – Request for Proposals Issued

Package #	Package Title	RFP Issue Status	Qualified Bidders
CH0008	Construction of North Spur Stabilization Works	Issued	Barnard-Pennecon J.V Dragados Canada Inc. Gilbert Newfoundland & Labrador IKC One Civil Constructors Dexter Construction Company
CD0508	Supply and Install Electrode Sites	Issued	Johnson’s Construction Ltd Pennecon Heavy Civil Limited Zutphen Contractors Inc. C&T Enterprises H.J. O’Connell Construction Limited Dragados Canada Inc. Gilbert Newfoundland and Labrador Contracting Ltd RJG Construction Limited
CH0009	Construction of North and South Dams	Issued	Astaldi Canada Inc. Barnard-Pennecon (Joint venture) HJOC-Dragados (Joint Venture)
CH0031	Supply and Install of Mechanical & Electrical Auxiliaries (MF)	Issued	Black & McDonald Limited Cahill-Ganotec Joint Venture Groupe Plombaction Inc. Joint Venture Aecon Industrial, a Division of Aecon Group Inc. Pennecon Energy Ltd. Andritz Hydro Canada Inc.
CT0327-014	HVdc Clearing and Access – Section 1 (Blocks Nos. 13 and 14)	Issued	
CT0327-015	HVdc Clearing and Access – Section 1 (Blocks Nos. 9, 10, 11 and 12)	Issued	
LC-PM-186	Project Completion System	Issued	IBS Canada OCCMS Ltd. Omega Project Solutions, Inc.
LC-SB-039	Design, Supply and Install Cable Transition Buildings	Issued	Bird Construction Black and MacDonald DFB Driver EllisDon Corporation Lindsay Construction Pittman Enterprises Ltd. Pomerleau Talon Energy

Table 20 lists the upcoming RFPs that are expected to be issued.

Table 20 – Upcoming Request for Proposals (RFPs)

Package #	Package Title	Forecasted Bidder Selection Start	Forecasted RFP Issue Date
CH0029	Construction of Site restoration at Muskrat Falls	Q1' 2016	Q2' 2016
CH0049	Supply and Install Log Booms		Q4' 2014
SD0536	Provision of Integrated Commissioning Support Services	Q3' 2015	Q4' 2015

Appendix A – Employment by 4-Digit NOC Code

Table 21 - Person Hours of Employment by 4-Digit NOC Code

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	2,512	53	622	3,187	29,307	7,431	16,578	53,315
0111 - Financial Managers	293	-	478	771	2,037	-	5,548	7,585
0112 - Human Resources Managers	4,614	236	648	5,498	65,300	7,707	15,372	88,379
0113 - Purchasing Managers	210	305	360	875	3,112	7,221	7,140	17,473
0114 - Other Administrative Services Managers	3,373	-	658	4,030	28,490	3,023	9,455	40,968
0124 - Advertising, marketing and public relations managers	-	-	-	-	35	-	47	82
0125 - Other Business Services Managers	851	-	799	1,650	5,598	-	17,279	22,877
0211 - Engineering Managers	386	651	2,443	3,480	10,558	40,950	56,348	107,855
0213 - Computer and Information Systems Managers	-	286	511	797	508	4,196	8,435	13,139
0711 - Construction Managers	7,881	270	2,713	10,864	67,347	11,989	29,685	109,021
1111 - Financial Auditors and Accountants	588	-	304	892	6,214	1,658	11,559	19,431
1114 - Other Financial Officers	-	-	335	335	2,021	2,457	4,201	8,679
1121 - Human Resources professionals	2,363	288	2,147	4,797	23,084	10,871	32,116	66,070
1122 - Professional Occupations in Business management consulting	-	-	-	-	-	-	-	-
1123 - Professional occupations in advertising, marketing and public relations	466	-	590	1,056	4,454	31	18,189	22,673
1221 - Administrative Officers	317	1,114	849	2,280	11,869	29,375	11,730	52,974
1223 - Human resources and Recruitment Officers	230	-	285	515	1,853	3,100	6,841	11,794
1225 - Purchasing Agents and Officers	2,582	837	5,249	8,668	25,333	52,742	87,655	165,730
1241 - Administrative Assistants	5,467	232	1,863	7,562	65,843	24,878	41,736	132,457
1311 - Accounting technicians and bookkeepers	658	128	1,894	2,679	10,084	8,396	31,008	49,487
1411 - General Office support workers	10,456	-	-	10,456	60,481	-	131	60,612
1431 - Accounting and Related Clerks	-	-	-	-	1,325	-	2,006	3,330
2113 - Geologists, Geochemists and Geophysicists	249	-	160	409	3,814	9,400	2,680	15,894
2131 - Civil Engineers	7,225	2,740	2,325	12,289	78,293	119,441	43,954	241,688
2132 - Mechanical Engineers	230	747	1,164	2,141	4,112	34,083	24,984	63,178
2133 - Electrical and Electronics Engineers	264	2,439	2,187	4,889	1,508	98,254	46,330	146,091
2141 - Industrial and Manufacturing Engineers	8,263	295	3,257	11,814	67,158	12,631	41,384	121,173
2144 - Geological Engineers	125	515	243	882	900	6,242	268	7,410
2147 - Computer Engineers (Except Software Engineers and Designers)	134	80	-	214	1,914	3,558	160	5,631
2148 - Other Professional Engineers, n.e.c.	4,781	1,247	4,101	10,129	57,139	46,802	93,601	197,542
2151 - Architects	-	-	-	-	-	1,872	-	1,872
2153 - Urban and Land Use Planners	-	157	761	918	967	3,490	17,986	22,443
2154 - Land Surveyors	7,268	-	720	7,988	96,119	-	8,533	104,651
2171 - Information Systems Analysts and Consultants	1,211	140	990	2,341	9,271	7,987	18,202	35,460
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	3,905	485	669	5,059	48,948	65,828	19,713	134,489
2232 - Mechanical Engineering Technologists and Technicians	169	131	202	501	6,071	14,242	913	21,226
2234 - Construction Estimators	1,058	506	308	1,872	4,006	12,684	8,093	24,783
2241 - Electrical and Electronics Engineering Technologists and Technicians	1,375	327	2,050	3,751	5,117	23,410	20,115	48,641
2243 - Industrial Instrument Technicians and Mechanics	664	-	-	664	3,237	-	120	3,357
2251 - Architectural Technologists and Technicians	-	-	-	-	-	4,159	300	4,458
2253 - Drafting Technologists and Technicians	4,294	766	192	5,252	30,890	36,852	4,978	72,719
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	8,294	1,710	1,498	11,502	78,021	32,451	15,799	126,271
2264 - Construction Inspectors	670	630	2,557	3,857	3,289	19,247	33,999	56,535
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	33	33	60	-	66	126
3234 - Paramedical Occupations	3,336	-	-	3,336	46,823	-	2,212	49,035
4112 - Lawyers and Quebec Notaries	-	-	21	21	258	-	2,769	3,027
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	3,526	1,329	1,342	6,197	71,647	40,049	20,958	132,653
4162 - Economists and Economic Policy Researchers and Analysts	-	-	287	287	420	-	8,002	8,422
4169 - Other Professional Occupations in Social Science, n.e.c.	195	-	-	195	7,775	-	41	7,815
4312 - Firefighters	250	-	-	250	2,372	-	314	2,686
6313 - Accommodation, travel, tourism and related services supervisors	2,058	-	370	2,428	24,464	-	3,600	28,064
6321 - Chefs	-	-	-	-	596	-	-	596
6322 - Cooks	2,689	-	-	2,689	36,094	-	1,279	37,373
6541 - Security Guards and Related security service Occupations	9,708	240	-	9,948	122,963	3,001	6,542	132,506
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	34,750	-	-	34,750	236,768	-	4,112	240,880
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	12,309	-	-	12,309	52,811	-	457	53,268
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	791	-	33	824	8,916	-	627	9,543
7203 - Contractors and Supervisors, Pipefitting Trades	467	-	-	467	8,444	-	705	9,149
7204 - Contractors and Supervisors, Carpentry Trades	9,947	-	-	9,947	92,599	-	2,024	94,623
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	14,961	200	-	15,161	193,115	1,453	3,515	198,083
7233 - Sheet Metal Workers	18,962	-	-	18,962	63,595	-	1,825	65,420
7234 - Boilermakers	-	-	-	-	1,870	-	-	1,870
7236 - Ironworkers	60,686	-	-	60,686	237,077	-	792	237,869
7237 - Welders and Related Machine Operators	4,217	-	-	4,217	45,908	192	808	46,908
7242 - Industrial Electricians	8,975	-	158	9,133	109,593	-	9,193	118,786
7244 - Electrical Power Line and Cable Workers	3,330	-	80	3,410	17,586	-	1,622	19,208
7251 - Plumbers	2,138	-	-	2,138	26,141	-	2,195	28,336
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	4,701	-	-	4,701	19,493	-	-	19,493

4-Digit NOC Code	Current Month				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
7271 - Carpenters	108,826	-	-	108,826	634,829	-	9,804	644,634
7281 - Bricklayers	5,610	-	-	5,610	20,453	-	-	20,453
7293 - Insulators	227	-	-	227	4,701	-	-	4,701
7294 - Painters and Decorators (except interior decorators)	-	-	-	-	1,804	-	137	1,941
7301 - Contractors and supervisors, mechanic trades	1,879	-	-	1,879	20,830	-	358	21,188
7302 - Contractors and supervisors, heavy equipment operator crews	8,347	-	-	8,347	76,053	-	757	76,810
7311 - Construction Millwrights and Industrial Mechanics	1,514	-	28	1,542	4,461	-	89	4,549
7312 - Heavy- Duty Equipment Mechanics	10,257	-	-	10,257	141,120	824	1,779	143,723
7371 - Crane Operators	15,611	-	-	15,611	81,755	-	456	82,211
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	3,535	-	-	3,535	104,147	1,160	182	105,489
7384 - Other Trades and Related Occupations, n.e.c.	971	-	-	971	3,546	-	-	3,546
7452 - Material Handlers	5,118	-	46	5,163	32,515	48	4,675	37,238
7511 - Transport Truck Drivers	31,473	-	11	31,484	424,052	318	3,862	428,231
7512 - Bus Drivers, Subway Operators and Other Transit Operators	6,950	-	-	6,950	41,082	-	370	41,452
7521 - Heavy Equipment Operators (Except Crane)	52,422	-	-	52,422	571,414	1,045	2,661	575,119
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	-	-	40	-	-	40
7611 - Construction Trades Helpers and Labourers	13,129	-	-	13,129	149,879	-	816	150,695
7612 - Other Trades Helpers and Labourers	104,217	-	-	104,217	694,825	3,373	7,613	705,811
8211 - Supervisors, Logging and Forestry	2,231	-	-	2,231	22,265	-	700	22,965
8241 - Logging Machinery Operators	18,549	-	-	18,549	167,614	-	5,781	173,394
8616 - Logging and Forestry Labourers	1,103	-	140	1,243	20,246	60	1,257	21,563
9241 - Power Engineers and power system operators	472	-	-	472	2,209	-	46	2,254
All Occupation Codes	683,852	19,081	48,674	751,606	5,572,850	820,172	930,163	7,323,185

Table 22 – Residents Hired by 4-Digit NOC Code – November 2014

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	4	11	36%	-	2	0%	5	5	100%	9	18	50%
0111 - Financial Managers	-	1	0%	-	-	0%	5	5	100%	5	6	83%
0112 - Human Resources Managers	18	26	69%	2	2	100%	4	5	80%	24	33	73%
0113 - Purchasing Managers	1	1	100%	1	2	50%	1	2	50%	3	5	60%
0114 - Other Administrative Services Managers	2	19	11%	-	-	0%	3	4	75%	5	23	22%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	4	4	100%	-	-	0%	4	5	80%	8	9	89%
0211 - Engineering Managers	2	5	40%	-	5	0%	15	17	88%	17	27	63%
0213 - Computer and Information Systems Managers	-	-	0%	2	2	100%	3	4	75%	5	6	83%
0711 - Construction Managers	18	37	49%	2	2	100%	8	16	50%	28	55	51%
1111 - Financial Auditors and Accountants	-	3	0%	-	-	0%	2	2	100%	2	5	40%
1114 - Other Financial Officers	-	-	0%	-	-	0%	3	4	75%	3	4	75%
1121 - Human Resources professionals	7	10	70%	2	2	100%	13	13	100%	22	25	88%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	2	3	67%	-	-	0%	6	6	100%	8	9	89%
1221 - Administrative Officers	2	2	100%	8	8	100%	4	5	80%	14	15	93%
1223 - Human resources and Recruitment Officers	1	1	100%	-	-	0%	2	2	100%	3	3	100%
1225 - Purchasing Agents and Officers	9	13	69%	1	5	20%	22	33	67%	32	51	63%
1241 - Administrative Assistants	19	33	58%	2	2	100%	14	14	100%	35	49	71%
1311 - Accounting technicians and bookkeepers	2	3	67%	1	1	100%	15	15	100%	18	19	95%
1411 - General Office support workers	50	50	100%	-	-	0%	-	-	0%	50	50	100%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2113 - Geologists, Geochemists and Geophysicists	1	1	100%	1	1	100%	1	1	100%	3	3	100%
2131 - Civil Engineers	16	34	47%	9	24	38%	13	16	81%	38	74	51%
2132 - Mechanical Engineers	1	1	100%	1	6	17%	7	7	100%	9	14	64%
2133 - Electrical and Electronics Engineers	-	2	0%	2	17	12%	19	21	90%	21	40	53%
2141 - Industrial and Manufacturing Engineers	18	41	44%	1	2	50%	12	18	67%	31	61	51%
2144 - Geological Engineers	2	2	100%	2	4	50%	1	1	100%	5	7	71%
2147 - Computer Engineers (Except Software Engineers and Designers)	1	3	33%	1	1	100%	-	-	0%	2	4	50%
2148 - Other Professional Engineers, n.e.c.	10	30	33%	2	9	22%	32	34	94%	44	73	60%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%

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
	2153 - Urban and Land Use Planners	-	-	0%	1	1	100%	5	5	100%	6	6
2154 - Land Surveyors	27	36	75%	-	-	0%	4	4	100%	31	40	78%
2171 - Information Systems Analysts and Consultants	5	6	83%	1	1	100%	11	11	100%	17	18	94%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	25	33	76%	4	9	44%	4	5	80%	33	47	70%
2232 - Mechanical Engineering Technologists and Technicians	1	1	100%	-	1	0%	1	1	100%	2	3	67%
2234 - Construction Estimators	-	4	0%	-	3	0%	2	2	100%	2	9	22%
2241 - Electrical and Electronics Engineering Technologists and Technicians	4	7	57%	1	2	50%	22	23	96%	27	32	84%
2243 - Industrial Instrument Technicians and Mechanics	-	4	0%	-	-	0%	-	-	0%	-	4	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	8	21	38%	4	6	67%	3	3	100%	15	30	50%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	30	40	75%	8	8	100%	8	8	100%	46	56	82%
2264 - Construction Inspectors	1	3	33%	4	4	100%	10	12	83%	15	19	79%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	2	2	100%	2	2	100%
3234 - Paramedical Occupations	23	24	96%	-	-	0%	-	-	0%	23	24	96%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	2	2	100%	2	2	100%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	21	25	84%	7	9	78%	10	11	91%	38	45	84%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	3	3	100%	3	3	100%
4169 - Other Professional Occupations in Social Science, n.e.c.	3	4	75%	-	-	0%	-	-	0%	3	4	75%
4312 - Firefighters	1	1	100%	-	-	0%	-	-	0%	1	1	100%
6313 - Accommodation, travel, tourism and related services supervisors	8	9	89%	-	-	0%	2	2	100%	10	11	91%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	13	13	100%	-	-	0%	-	-	0%	13	13	100%
6541 - Security Guards and Related security service Occupations	55	58	95%	1	1	100%	-	-	0%	56	59	95%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	176	180	98%	-	-	0%	-	-	0%	176	180	98%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	34	49	69%	-	-	0%	-	-	0%	34	49	69%

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	2	4	50%	-	-	0%	1	1	100%	3	5
7203 - Contractors and Supervisors, Pipefitting Trades	2	2	100%	-	-	0%	-	-	0%	2	2	100%
7204 - Contractors and Supervisors, Carpentry Trades	39	41	95%	-	-	0%	-	-	0%	39	41	95%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	56	70	80%	1	1	100%	-	-	0%	57	71	80%
7233 - Sheet Metal Workers	42	95	44%	-	-	0%	-	-	0%	42	95	44%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	211	283	75%	-	-	0%	-	-	0%	211	283	75%
7237 - Welders and Related Machine Operators	20	20	100%	-	-	0%	-	-	0%	20	20	100%
7242 - Industrial Electricians	63	64	98%	-	-	0%	4	4	100%	67	68	99%
7244 - Electrical Power Line and Cable Workers	7	20	35%	-	-	0%	5	5	100%	12	25	48%
7251 - Plumbers	10	10	100%	-	-	0%	-	-	0%	10	10	100%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	24	25	96%	-	-	0%	-	-	0%	24	25	96%
7271 - Carpenters	468	518	90%	-	-	0%	-	-	0%	468	518	90%
7281 - Bricklayers	36	36	100%	-	-	0%	-	-	0%	36	36	100%
7293 - Insulators	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7294 - Painters and Decorators (except interior decorators)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7301 - Contractors and supervisors, mechanic trades	7	9	78%	-	-	0%	-	-	0%	7	9	78%
7302 - Contractors and supervisors, heavy equipment operator crews	18	42	43%	-	-	0%	-	-	0%	18	42	43%
7311 - Construction Millwrights and Industrial Mechanics	9	9	100%	-	-	0%	1	1	100%	10	10	100%
7312 - Heavy- Duty Equipment Mechanics	49	54	91%	-	-	0%	-	-	0%	49	54	91%
7371 - Crane Operators	57	73	78%	-	-	0%	-	-	0%	57	73	78%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	15	20	75%	-	-	0%	-	-	0%	15	20	75%
7384 - Other Trades and Related Occupations, n.e.c.	4	4	100%	-	-	0%	-	-	0%	4	4	100%
7452 - Material Handlers	22	25	88%	-	-	0%	6	6	100%	28	31	90%
7511 - Transport Truck Drivers	157	163	96%	-	-	0%	1	1	100%	158	164	96%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	38	38	100%	-	-	0%	-	-	0%	38	38	100%
7521 - Heavy Equipment Operators (Except Crane)	228	284	80%	-	-	0%	-	-	0%	228	284	80%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	41	61	67%	-	-	0%	-	-	0%	41	61	67%
7612 - Other Trades Helpers and Labourers	515	554	93%	-	-	0%	-	-	0%	515	554	93%

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	6	10	60%	-	-	0%	-	-	0%	6	10	60%
8241 - Logging Machinery Operators	97	102	95%	-	-	0%	-	-	0%	97	102	95%
8616 - Logging and Forestry Labourers	5	7	71%	-	-	0%	1	1	100%	6	8	75%
9241 - Power Engineers and power system operators	4	4	100%	-	-	0%	-	-	0%	4	4	100%
Totals	2,880	3,504	82%	72	143	50%	322	368	88%	3,274	4,015	82%

Table 23 – Female Workers Hired by 4-Digit NOC Code – November 2014

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	11	9%	-	2	0%	1	5	20%	2	18	11%
0111 - Financial Managers	-	1	0%	-	-	0%	2	5	40%	2	6	33%
0112 - Human Resources Managers	7	26	27%	1	2	50%	2	5	40%	10	33	30%
0113 - Purchasing Managers	-	1	0%	-	2	0%	-	2	0%	-	5	0%
0114 - Other Administrative Services Managers	2	19	11%	-	-	0%	1	4	25%	3	23	13%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	2	4	50%	-	-	0%	2	5	40%	4	9	44%
0211 - Engineering Managers	1	5	20%	-	5	0%	1	17	6%	2	27	7%
0213 - Computer and Information Systems Managers	-	-	0%	1	2	50%	-	4	0%	1	6	17%
0711 - Construction Managers	2	37	5%	-	2	0%	-	16	0%	2	55	4%
1111 - Financial Auditors and Accountants	-	3	0%	-	-	0%	-	2	0%	-	5	0%
1114 - Other Financial Officers	-	-	0%	-	-	0%	3	4	75%	3	4	75%
1121 - Human Resources professionals	6	10	60%	2	2	100%	6	13	46%	14	25	56%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	1	3	33%	-	-	0%	5	6	83%	6	9	67%
1221 - Administrative Officers	2	2	100%	8	8	100%	4	5	80%	14	15	93%
1223 - Human resources and Recruitment Officers	1	1	100%	-	-	0%	1	2	50%	2	3	67%
1225 - Purchasing Agents and Officers	8	13	62%	2	5	40%	7	33	21%	17	51	33%
1241 - Administrative Assistants	20	33	61%	2	2	100%	13	14	93%	35	49	71%
1311 - Accounting technicians and bookkeepers	1	3	33%	-	1	0%	11	15	73%	12	19	63%
1411 - General Office support workers	47	50	94%	-	-	0%	-	-	0%	47	50	94%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2113 - Geologists, Geochemists and Geophysicists	1	1	100%	-	1	0%	-	1	0%	1	3	33%
2131 - Civil Engineers	4	34	12%	3	24	13%	4	16	25%	11	74	15%
2132 - Mechanical Engineers	-	1	0%	-	6	0%	1	7	14%	1	14	7%
2133 - Electrical and Electronics Engineers	-	2	0%	-	17	0%	5	21	24%	5	40	13%
2141 - Industrial and Manufacturing Engineers	6	41	15%	-	2	0%	2	18	11%	8	61	13%
2144 - Geological Engineers	-	2	0%	-	4	0%	-	1	0%	-	7	0%
2147 - Computer Engineers (Except Software Engineers and Designers)	1	3	33%	-	1	0%	-	-	0%	1	4	25%
2148 - Other Professional Engineers, n.e.c.	5	30	17%	2	9	22%	3	34	9%	10	73	14%

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%	-	1	0%	-	5	0%	-	6	0%
2154 - Land Surveyors	-	36	0%	-	-	0%	-	4	0%	-	40	0%
2171 - Information Systems Analysts and Consultants	1	6	17%	-	1	0%	1	11	9%	2	18	11%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	6	33	18%	2	9	22%	-	5	0%	8	47	17%
2232 - Mechanical Engineering Technologists and Technicians	-	1	0%	-	1	0%	-	1	0%	-	3	0%
2234 - Construction Estimators	-	4	0%	-	3	0%	-	2	0%	-	9	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	7	0%	-	2	0%	1	23	4%	1	32	3%
2243 - Industrial Instrument Technicians and Mechanics	-	4	0%	-	-	0%	-	-	0%	-	4	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	4	21	19%	-	6	0%	1	3	33%	5	30	17%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	18	40	45%	-	8	0%	2	8	25%	20	56	36%
2264 - Construction Inspectors	-	3	0%	-	4	0%	-	12	0%	-	19	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
3234 - Paramedical Occupations	7	24	29%	-	-	0%	-	-	0%	7	24	29%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	2	0%	-	2	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	17	25	68%	1	9	11%	7	11	64%	25	45	56%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	2	3	67%	2	3	67%
4169 - Other Professional Occupations in Social Science, n.e.c.	1	4	25%	-	-	0%	-	-	0%	1	4	25%
4312 - Firefighters	-	1	0%	-	-	0%	-	-	0%	-	1	0%
6313 - Accommodation, travel, tourism and related services supervisors	-	9	0%	-	-	0%	-	2	0%	-	11	0%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	3	13	23%	-	-	0%	-	-	0%	3	13	23%
6541 - Security Guards and Related security service Occupations	13	58	22%	-	1	0%	-	-	0%	13	59	22%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	113	180	63%	-	-	0%	-	-	0%	113	180	63%

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	-	49	0%	-	-	0%	-	-	0%	-	49	0%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	4	0%	-	-	0%	-	1	0%	-	5	0%
7203 - Contractors and Supervisors, Pipefitting Trades	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7204 - Contractors and Supervisors, Carpentry Trades	-	41	0%	-	-	0%	-	-	0%	-	41	0%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	2	70	3%	-	1	0%	-	-	0%	2	71	3%
7233 - Sheet Metal Workers	1	95	1%	-	-	0%	-	-	0%	1	95	1%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	2	283	1%	-	-	0%	-	-	0%	2	283	1%
7237 - Welders and Related Machine Operators	1	20	5%	-	-	0%	-	-	0%	1	20	5%
7242 - Industrial Electricians	-	64	0%	-	-	0%	-	4	0%	-	68	0%
7244 - Electrical Power Line and Cable Workers	-	20	0%	-	-	0%	1	5	20%	1	25	4%
7251 - Plumbers	-	10	0%	-	-	0%	-	-	0%	-	10	0%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	-	25	0%	-	-	0%	-	-	0%	-	25	0%
7271 - Carpenters	11	518	2%	-	-	0%	-	-	0%	11	518	2%
7281 - Bricklayers	4	36	11%	-	-	0%	-	-	0%	4	36	11%
7293 - Insulators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7294 - Painters and Decorators (except interior decorators)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7301 - Contractors and supervisors, mechanic trades	-	9	0%	-	-	0%	-	-	0%	-	9	0%
7302 - Contractors and supervisors, heavy equipment operator crews	-	42	0%	-	-	0%	-	-	0%	-	42	0%
7311 - Construction Millwrights and Industrial Mechanics	-	9	0%	-	-	0%	-	1	0%	-	10	0%
7312 - Heavy- Duty Equipment Mechanics	2	54	4%	-	-	0%	-	-	0%	2	54	4%
7371 - Crane Operators	6	73	8%	-	-	0%	-	-	0%	6	73	8%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	-	20	0%	-	-	0%	-	-	0%	-	20	0%
7384 - Other Trades and Related Occupations, n.e.c.	1	4	25%	-	-	0%	-	-	0%	1	4	25%
7452 - Material Handlers	1	25	4%	-	-	0%	-	6	0%	1	31	3%
7511 - Transport Truck Drivers	8	163	5%	-	-	0%	-	1	0%	8	164	5%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	1	38	3%	-	-	0%	-	-	0%	1	38	3%
7521 - Heavy Equipment Operators (Except Crane)	13	284	5%	-	-	0%	-	-	0%	13	284	5%

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
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	1	61	2%	-	-	0%	-	-	0%	1	61	2%
7612 - Other Trades Helpers and Labourers	78	554	14%	-	-	0%	-	-	0%	78	554	14%
8211 - Supervisors, Logging and Forestry	-	10	0%	-	-	0%	-	-	0%	-	10	0%
8241 - Logging Machinery Operators	1	102	1%	-	-	0%	-	-	0%	1	102	1%
8616 - Logging and Forestry Labourers	-	7	0%	-	-	0%	-	1	0%	-	8	0%
9241 - Power Engineers and power system operators	-	4	0%	-	-	0%	-	-	0%	-	4	0%
Totals	434	3,504	12%	24	143	17%	89	368	24%	547	4,015	14%

Table 24 – Aboriginal Workers by 4-Digit NOC Code – November 2014

4-Digit NOC Code	C&A			E&D			PM			Total		
	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total
0016 - Senior Managers - Goods Production, Utilities, Transportation and Construction	-	11	0%	-	2	0%	-	5	0%	-	18	0%
0111 - Financial Managers	-	1	0%	-	-	0%	-	5	0%	-	6	0%
0112 - Human Resources Managers	2	26	8%	-	2	0%	-	5	0%	2	33	6%
0113 - Purchasing Managers	-	1	0%	-	2	0%	-	2	0%	-	5	0%
0114 - Other Administrative Services Managers	-	19	0%	-	-	0%	-	4	0%	-	23	0%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	2	4	50%	-	-	0%	-	5	0%	2	9	22%
0211 - Engineering Managers	-	5	0%	-	5	0%	-	17	0%	-	27	0%
0213 - Computer and Information Systems Managers	-	-	0%	-	2	0%	-	4	0%	-	6	0%
0711 - Construction Managers	-	37	0%	-	2	0%	-	16	0%	-	55	0%
1111 - Financial Auditors and Accountants	-	3	0%	-	-	0%	-	2	0%	-	5	0%
1114 - Other Financial Officers	-	-	0%	-	-	0%	-	4	0%	-	4	0%
1121 - Human Resources professionals	3	10	30%	-	2	0%	4	13	31%	7	25	28%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	3	0%	-	-	0%	-	6	0%	-	9	0%
1221 - Administrative Officers	2	2	100%	-	8	0%	1	5	20%	3	15	20%
1223 - Human resources and Recruitment Officers	-	1	0%	-	-	0%	-	2	0%	-	3	0%
1225 - Purchasing Agents and Officers	-	13	0%	-	5	0%	-	33	0%	-	51	0%
1241 - Administrative Assistants	6	33	18%	-	2	0%	1	14	7%	7	49	14%
1311 - Accounting technicians and bookkeepers	-	3	0%	-	1	0%	1	15	7%	1	19	5%
1411 - General Office support workers	18	50	36%	-	-	0%	-	-	0%	18	50	36%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2113 - Geologists, Geochemists and Geophysicists	-	1	0%	-	1	0%	-	1	0%	-	3	0%
2131 - Civil Engineers	1	34	3%	-	24	0%	-	16	0%	1	74	1%
2132 - Mechanical Engineers	-	1	0%	1	6	17%	-	7	0%	1	14	7%
2133 - Electrical and Electronics Engineers	-	2	0%	-	17	0%	-	21	0%	-	40	0%
2141 - Industrial and Manufacturing Engineers	3	41	7%	-	2	0%	1	18	6%	4	61	7%
2144 - Geological Engineers	-	2	0%	-	4	0%	-	1	0%	-	7	0%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total
2147 - Computer Engineers (Except Software Engineers and Designers)	-	3	0%	-	1	0%	-	-	0%	-	4	0%
2148 - Other Professional Engineers, n.e.c.	1	30	3%	-	9	0%	-	34	0%	1	73	1%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	1	0%	-	5	0%	-	6	0%
2154 - Land Surveyors	5	36	14%	-	-	0%	-	4	0%	5	40	13%
2171 - Information Systems Analysts and Consultants	2	6	33%	-	1	0%	-	11	0%	2	18	11%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	-	33	0%	-	9	0%	1	5	20%	1	47	2%
2232 - Mechanical Engineering Technologists and Technicians	-	1	0%	-	1	0%	-	1	0%	-	3	0%
2234 - Construction Estimators	-	4	0%	-	3	0%	-	2	0%	-	9	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	1	7	14%	-	2	0%	1	23	4%	2	32	6%
2243 - Industrial Instrument Technicians and Mechanics	-	4	0%	-	-	0%	-	-	0%	-	4	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	-	21	0%	-	6	0%	-	3	0%	-	30	0%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	-	40	0%	-	8	0%	1	8	13%	1	56	2%
2264 - Construction Inspectors	-	3	0%	-	4	0%	-	12	0%	-	19	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	2	0%	-	2	0%
3234 - Paramedical Occupations	-	24	0%	-	-	0%	-	-	0%	-	24	0%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	2	0%	-	2	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	8	25	32%	1	9	11%	2	11	18%	11	45	24%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	3	0%	-	3	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	-	4	0%	-	-	0%	-	-	0%	-	4	0%
4312 - Firefighters	-	1	0%	-	-	0%	-	-	0%	-	1	0%
6313 - Accommodation, travel, tourism and related services supervisors	1	9	11%	-	-	0%	-	2	0%	1	11	9%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	1	13	8%	-	-	0%	-	-	0%	1	13	8%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total
6541 - Security Guards and Related security service Occupations	8	58	14%	-	1	0%	-	-	0%	8	59	14%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	73	180	41%	-	-	0%	-	-	0%	73	180	41%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	1	49	2%	-	-	0%	-	-	0%	1	49	2%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	4	0%	-	-	0%	-	1	0%	-	5	0%
7203 - Contractors and Supervisors, Pipefitting Trades	-	2	0%	-	-	0%	-	-	0%	-	2	0%
7204 - Contractors and Supervisors, Carpentry Trades	2	41	5%	-	-	0%	-	-	0%	2	41	5%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	6	70	9%	-	1	0%	-	-	0%	6	71	8%
7233 - Sheet Metal Workers	-	95	0%	-	-	0%	-	-	0%	-	95	0%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	22	283	8%	-	-	0%	-	-	0%	22	283	8%
7237 - Welders and Related Machine Operators	2	20	10%	-	-	0%	-	-	0%	2	20	10%
7242 - Industrial Electricians	2	64	3%	-	-	0%	-	4	0%	2	68	3%
7244 - Electrical Power Line and Cable Workers	1	20	5%	-	-	0%	-	5	0%	1	25	4%
7251 - Plumbers	1	10	10%	-	-	0%	-	-	0%	1	10	10%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	-	25	0%	-	-	0%	-	-	0%	-	25	0%
7271 - Carpenters	43	518	8%	-	-	0%	-	-	0%	43	518	8%
7281 - Bricklayers	-	36	0%	-	-	0%	-	-	0%	-	36	0%
7293 - Insulators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7294 - Painters and Decorators (except interior decorators)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7301 - Contractors and supervisors, mechanic trades	-	9	0%	-	-	0%	-	-	0%	-	9	0%
7302 - Contractors and supervisors, heavy equipment operator crews	4	42	10%	-	-	0%	-	-	0%	4	42	10%
7311 - Construction Millwrights and Industrial Mechanics	-	9	0%	-	-	0%	-	1	0%	-	10	0%
7312 - Heavy- Duty Equipment Mechanics	9	54	17%	-	-	0%	-	-	0%	9	54	17%
7371 - Crane Operators	5	73	7%	-	-	0%	-	-	0%	5	73	7%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	2	20	10%	-	-	0%	-	-	0%	2	20	10%

4-Digit NOC Code	C&A			E&D			PM			Total		
	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total	Aboriginals	Total Persons	Aboriginals as % of Total
7384 - Other Trades and Related Occupations, n.e.c.	2	4	50%	-	-	0%	-	-	0%	2	4	50%
7452 - Material Handlers	5	25	20%	-	-	0%	-	6	0%	5	31	16%
7511 - Transport Truck Drivers	29	163	18%	-	-	0%	-	1	0%	29	164	18%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	12	38	32%	-	-	0%	-	-	0%	12	38	32%
7521 - Heavy Equipment Operators (Except Crane)	38	284	13%	-	-	0%	-	-	0%	38	284	13%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	11	61	18%	-	-	0%	-	-	0%	11	61	18%
7612 - Other Trades Helpers and Labourers	156	554	28%	-	-	0%	-	-	0%	156	554	28%
8211 - Supervisors, Logging and Forestry	-	10	0%	-	-	0%	-	-	0%	-	10	0%
8241 - Logging Machinery Operators	6	102	6%	-	-	0%	-	-	0%	6	102	6%
8616 - Logging and Forestry Labourers	-	7	0%	-	-	0%	-	1	0%	-	8	0%
9241 - Power Engineers and power system operators	-	4	0%	-	-	0%	-	-	0%	-	4	0%
Totals	496	3,504	14%	2	143	1%	13	368	4%	511	4,015	13%

Table 25 – Labrador Residents by 4-Digit NOC Code – November 2014

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	-	11	0%	-	2	0%	-	5	0%	-	18	0%
0111 - Financial Managers	-	1	0%	-	-	0%	-	5	0%	-	6	0%
0112 - Human Resources Managers	2	26	8%	-	2	0%	-	5	0%	2	33	6%
0113 - Purchasing Managers	-	1	0%	-	2	0%	-	2	0%	-	5	0%
0114 - Other Administrative Services Managers	1	19	5%	-	-	0%	-	4	0%	1	23	4%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	3	4	75%	-	-	0%	-	5	0%	3	9	33%
0211 - Engineering Managers	-	5	0%	-	5	0%	1	17	6%	1	27	4%
0213 - Computer and Information Systems Managers	-	-	0%	-	2	0%	-	4	0%	-	6	0%
0711 - Construction Managers	1	37	3%	-	2	0%	2	16	13%	3	55	5%
1111 - Financial Auditors and Accountants	-	3	0%	-	-	0%	-	2	0%	-	5	0%
1114 - Other Financial Officers	-	-	0%	-	-	0%	-	4	0%	-	4	0%
1121 - Human Resources professionals	4	10	40%	-	2	0%	5	13	38%	9	25	36%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	3	0%	-	-	0%	1	6	17%	1	9	11%
1221 - Administrative Officers	2	2	100%	-	8	0%	1	5	20%	3	15	20%
1223 - Human resources and Recruitment Officers	-	1	0%	-	-	0%	-	2	0%	-	3	0%
1225 - Purchasing Agents and Officers	3	13	23%	-	5	0%	1	33	3%	4	51	8%
1241 - Administrative Assistants	7	33	21%	-	2	0%	1	14	7%	8	49	16%
1311 - Accounting technicians and bookkeepers	1	3	33%	-	1	0%	1	15	7%	2	19	11%
1411 - General Office support workers	41	50	82%	-	-	0%	-	-	0%	41	50	82%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2113 - Geologists, Geochemists and Geophysicists	-	1	0%	-	1	0%	-	1	0%	-	3	0%
2131 - Civil Engineers	1	34	3%	-	24	0%	-	16	0%	1	74	1%
2132 - Mechanical Engineers	-	1	0%	1	6	17%	-	7	0%	1	14	7%
2133 - Electrical and Electronics Engineers	-	2	0%	-	17	0%	-	21	0%	-	40	0%
2141 - Industrial and Manufacturing Engineers	3	41	7%	-	2	0%	3	18	17%	6	61	10%
2144 - Geological Engineers	-	2	0%	-	4	0%	-	1	0%	-	7	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)	-	3	0%	-	1	0%	-	-	0%	-	4	0%
2148 - Other Professional Engineers, n.e.c.	2	30	7%	-	9	0%	-	34	0%	2	73	3%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	1	0%	-	5	0%	-	6	0%
2154 - Land Surveyors	10	36	28%	-	-	0%	-	4	0%	10	40	25%
2171 - Information Systems Analysts and Consultants	3	6	50%	-	1	0%	1	11	9%	4	18	22%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	-	33	0%	-	9	0%	-	5	0%	-	47	0%
2232 - Mechanical Engineering Technologists and Technicians	1	1	100%	-	1	0%	-	1	0%	1	3	33%
2234 - Construction Estimators	-	4	0%	-	3	0%	-	2	0%	-	9	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	1	7	14%	-	2	0%	5	23	22%	6	32	19%
2243 - Industrial Instrument Technicians and Mechanics	-	4	0%	-	-	0%	-	-	0%	-	4	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	2	21	10%	-	6	0%	-	3	0%	2	30	7%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	3	40	8%	2	8	25%	1	8	13%	6	56	11%
2264 - Construction Inspectors	-	3	0%	-	4	0%	-	12	0%	-	19	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	2	2	100%	2	2	100%
3234 - Paramedical Occupations	10	24	42%	-	-	0%	-	-	0%	10	24	42%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	2	0%	-	2	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	12	25	48%	1	9	11%	3	11	27%	16	45	36%
4162 - Economists and Economic Policy Researchers and Analysts	-	-	0%	-	-	0%	-	3	0%	-	3	0%
4169 - Other Professional Occupations in Social Science, n.e.c.	2	4	50%	-	-	0%	-	-	0%	2	4	50%
4312 - Firefighters	-	1	0%	-	-	0%	-	-	0%	-	1	0%
6313 - Accommodation, travel, tourism and related services supervisors	3	9	33%	-	-	0%	-	2	0%	3	11	27%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	3	13	23%	-	-	0%	-	-	0%	3	13	23%

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	33	58	57%	1	1	100%	-	-	0%	34	59	58%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	144	180	80%	-	-	0%	-	-	0%	144	180	80%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	5	49	10%	-	-	0%	-	-	0%	5	49	10%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	4	0%	-	-	0%	-	1	0%	-	5	0%
7203 - Contractors and Supervisors, Pipefitting Trades	1	2	50%	-	-	0%	-	-	0%	1	2	50%
7204 - Contractors and Supervisors, Carpentry Trades	5	41	12%	-	-	0%	-	-	0%	5	41	12%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	14	70	20%	-	1	0%	-	-	0%	14	71	20%
7233 - Sheet Metal Workers	13	95	14%	-	-	0%	-	-	0%	13	95	14%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	31	283	11%	-	-	0%	-	-	0%	31	283	11%
7237 - Welders and Related Machine Operators	7	20	35%	-	-	0%	-	-	0%	7	20	35%
7242 - Industrial Electricians	25	64	39%	-	-	0%	3	4	75%	28	68	41%
7244 - Electrical Power Line and Cable Workers	1	20	5%	-	-	0%	2	5	40%	3	25	12%
7251 - Plumbers	1	10	10%	-	-	0%	-	-	0%	1	10	10%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	3	25	12%	-	-	0%	-	-	0%	3	25	12%
7271 - Carpenters	125	518	24%	-	-	0%	-	-	0%	125	518	24%
7281 - Bricklayers	1	36	3%	-	-	0%	-	-	0%	1	36	3%
7293 - Insulators	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7294 - Painters and Decorators (except interior decorators)	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7301 - Contractors and supervisors, mechanic trades	2	9	22%	-	-	0%	-	-	0%	2	9	22%
7302 - Contractors and supervisors, heavy equipment operator crews	4	42	10%	-	-	0%	-	-	0%	4	42	10%
7311 - Construction Millwrights and Industrial Mechanics	5	9	56%	-	-	0%	-	1	0%	5	10	50%
7312 - Heavy- Duty Equipment Mechanics	15	54	28%	-	-	0%	-	-	0%	15	54	28%
7371 - Crane Operators	9	73	12%	-	-	0%	-	-	0%	9	73	12%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	4	20	20%	-	-	0%	-	-	0%	4	20	20%

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.	3	4	75%	-	-	0%	-	-	0%	3	4	75%
7452 - Material Handlers	11	25	44%	-	-	0%	2	6	33%	13	31	42%
7511 - Transport Truck Drivers	101	163	62%	-	-	0%	1	1	100%	102	164	62%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	36	38	95%	-	-	0%	-	-	0%	36	38	95%
7521 - Heavy Equipment Operators (Except Crane)	72	284	25%	-	-	0%	-	-	0%	72	284	25%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	14	61	23%	-	-	0%	-	-	0%	14	61	23%
7612 - Other Trades Helpers and Labourers	301	554	54%	-	-	0%	-	-	0%	301	554	54%
8211 - Supervisors, Logging and Forestry	-	10	0%	-	-	0%	-	-	0%	-	10	0%
8241 - Logging Machinery Operators	2	102	2%	-	-	0%	-	-	0%	2	102	2%
8616 - Logging and Forestry Labourers	-	7	0%	-	-	0%	-	1	0%	-	8	0%
9241 - Power Engineers and power system operators	-	4	0%	-	-	0%	-	-	0%	-	4	0%
Totals	1,109	3,504	32%	5	143	3%	36	368	10%	1,150	4,015	29%

Appendix B – Contracts Awarded Since Project Sanction

Table 26 – Contracts Awarded Since Project Sanction

Package #	Package Title	Award Date	Successful Bidder(s)
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.
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.

Package #	Package Title	Award Date	Successful Bidder(s)
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
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.

Package #	Package Title	Award Date	Successful Bidder(s)
PT0335	Supply of Anchor Materials – 315 kV HVac	22-October-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
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

Package #	Package Title	Award Date	Successful Bidder(s)
CD0512	Construction Contract for Construction Power	20-Jun-12	G.J. CAHILL & COMPANY LTD.
CH0004	Southside Access Road	25-October-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.