

1 Q. (Response to CA-NLH-25) Please file for the record the most recent Muskrat Falls  
2 Project Update if one more recent than June 2014 is available.

3

4

5 A. Each month, Nalcor Energy - Lower Churchill Project publishes a Project Report that  
6 provides a monthly update on the Muskrat Falls Project including details on  
7 construction and procurement activities, construction costs, safety and  
8 environmental activities, and details on stakeholder and community engagement  
9 initiatives during the month. These reports are published on the Muskrat Falls  
10 Project website at <http://muskratfalls.nalcorenergy.com> and are located under  
11 Newsroom/Reports. The latest report is for August 2014 and is available at the  
12 following link: [http://muskratfalls.nalcorenergy.com/wp-](http://muskratfalls.nalcorenergy.com/wp-content/uploads/2014/10/August-2014-LCP-Monthly-Project-Report-final.pdf)  
13 [content/uploads/2014/10/August-2014-LCP-Monthly-Project-Report-final.pdf](http://muskratfalls.nalcorenergy.com/wp-content/uploads/2014/10/August-2014-LCP-Monthly-Project-Report-final.pdf)  
14 attached as PUB-NLH-063 Attachment 1.



# Muskrat Falls Projects

Monthly Report

August 2014

October 15, 2014



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## 1.0 Monthly Report Overview

This report<sup>1</sup> 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 August 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

Highlights during the month of August include:

- Construction at Muskrat Falls took a significant leap forward on August 17 with the first concrete pour for the spillway structure. Major concrete work is required at Muskrat Falls for the spillway, powerhouse and dam structures.
- On August 28, drilling was completed on the Strait of Belle Isle (SOBI) marine cable crossing with the completion of the sixth and final bore hole required for the crossing of the Labrador-Island Transmission Link (LIL) through the Straits.

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<sup>1</sup> 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.

- In August, 30 students graduated from Rebar and Scaffolding programs supported by the Labrador Aboriginal Training Partnership and participated in on-the-job training on the Muskrat Falls Project.
- Valard Construction was selected to construct the 350 kV overhead HVdc transmission line (Labrador-Island Transmission Link) that will run for approximately 1,100 kms from the Muskrat Falls hydroelectric generating facility in central Labrador to Soldiers Pond on the Avalon Peninsula.

### **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 August:
  - Foundation preparation for intakes No. 3 and 4 continued.
  - Concrete placement for two of nine blocks of the spillway base slab started, and foundation preparation, installation, formwork and rebar placement continued in all other areas. Formwork and rebar placement continued for the spillway piers.
  - Concrete placement also started in the center transition dam. Foundation preparation and formwork erection for the remaining base sections progressed during the month.
  - Erection of the Integrated Cover System (ICS) structural steel commenced during the period at the powerhouse, intake and south service bay. Foundation construction activities are ongoing, and the crane pad retaining walls for powerhouse mobile cranes were completed and backfilled.
  - Formwork erection for the base slab sections of the south transition dam was underway.
  - Aggregate crushing and screening operations continued. Assembly of the second crushing spread, along with construction of the new crusher pad also continued.
  - Erection of the permanent batch plant structure and installation of equipment is continuing, along with continuation of commissioning and testing.



Concrete placement commenced on August 17, 2014, at the Muskrat Falls spillway structure. The powerhouse/intake and spillway structures combined will require 560,000 cubic metres of concrete.



Assembly of the Integrated Cover System (ICS) for the powerhouse area.

- Manufacturing of the turbines and generators by Andritz Hydro Canada is proceeding. The first shipment of turbine components, including stay ring, draft tube liner and circular passage door,

was shipped from China during the period and is scheduled for arrival in Labrador in October 2014.

- Manufacturing of the primary anchor materials for the spillway is continuing by Andritz for the supply and installation of the powerhouse hydro-mechanical equipment. The majority of spillway primary anchors have now been delivered to site, with placement and embedment activities ongoing by Astaldi. Delivery of the first intake and draft tube primary anchors was completed.
- Construction of the accommodations complex at Muskrat Falls has been finalized and the contractor is continuing with demobilization activities. All dormitories are now available for occupancy.
- Construction of the administrative buildings by Opron Construction progressed during the month. Commissioning activities are near completion for all major buildings including the materials testing laboratory, fire and ambulance shelter, security building, the gatehouse and camp maintenance building. Electrical services work and interior installations continued for the sports complex, including the inflation of the complex dome. Mechanical, electrical and architectural outfitting is progressing well on the administration building following installation of all modular units during the previous period. Overall work under this contract is nearing completion with the majority of the remaining work relating to the site administration complex.
- Clearing the north and south banks of the Muskrat Falls reservoir is progressing well and continues to be ahead of schedule. About 1,000 hectares have been cleared to date.

### **3.2 Labrador Transmission Assets**

- Clearing for the HVac right-of-way (ROW) is progressing well under the direction of Johnson's Construction. The ROW clearing for the transmission line between Muskrat Falls and Churchill Falls is expected to be completed next month.
- Valard Construction, the contractor for the HVac transmission line erection, continued with mobilization work including set up of modular offices and camp facilities in the vicinity of the North Spur which are now occupied and installation is complete. Development of the Osprey Camp at approximately the 150 km mark commenced during the period and is scheduled for completion at the end of October 2014. Foundation assembly, installation and tower assembly continued during the period, with approximately 200 towers assembled by the end of August. Work continues on development of access routes and distribution of materials along the transmission line ROW. Tower erection activities are expected to commence early this fall.



Work on the HVac steel towers which will be installed on the transmission line between Muskrat Falls and Churchill Falls (Labrador Transmission Assets).

- The Labrador marshalling yard operation, which supports the HVac transmission line construction activities, is ongoing with the receipt, storage and issuance of materials such as steel towers, foundations, hardware, guy wire and conductor.
- Bulk excavation and grading of the new Churchill Falls switchyard continued by Johnson's Construction.

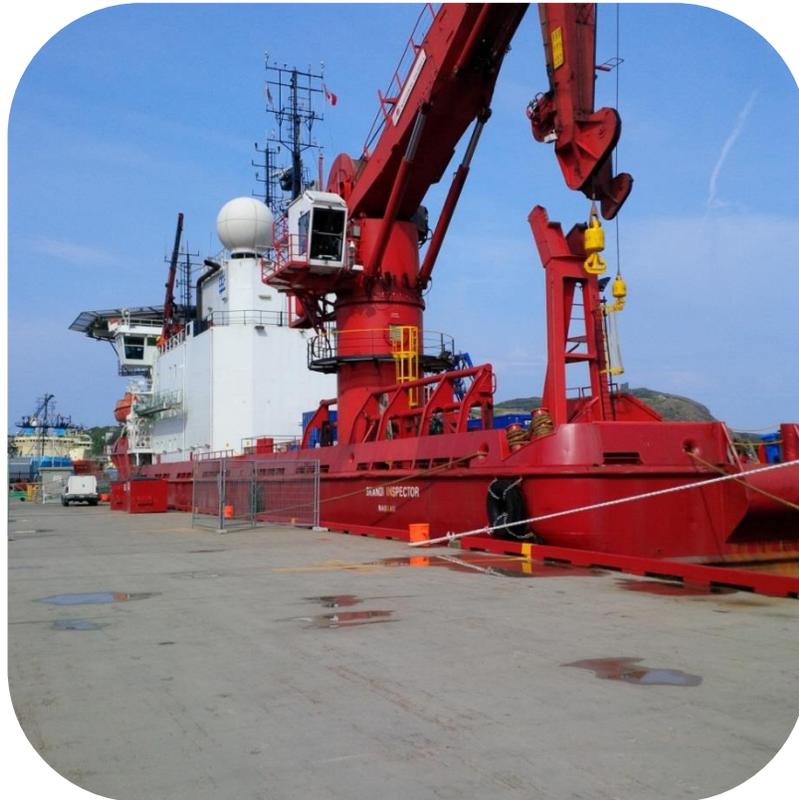
### 3.3 Labrador-Island Transmission Link (LIL)

- The sixth and final bore hole required for the crossing of the submarine cable across the Strait of Belle Isle (SOBI) was completed in August. The 35 km marine cable crossing is being constructed across the Straits, from Forteau Point, Labrador to Shoal Cove, Newfoundland, to connect the transmission line from Labrador to Newfoundland.
- The team used some of the most advanced drilling equipment available in the oil and gas industry for positioning the bore holes on target. Direct Horizontal Drilling provided the drill rig and surface equipment and Baker Hughes provided the directional services required for drilling program.
- The next phase of the work will involve the installation of sea floor conduits (casing) on each side of the Straits to transition the cables from shore to deep water. The conduits will extend out under land and exit onto the ocean floor at a depth of greater than 70 m. All cable conduits are expected to be completed by late 2014. When the conduits are installed by Direct Horizontal Drilling, a marine vessel with a subsea remotely operated vehicle will inspect each casing.

- The final phase of work in the Straits will involve the installation of the three transmission cables on the sea floor using a specialized marine cable installation vessel. Rock berms will then be placed over each cable by a rock-laying vessel to protect the cables from marine vessel traffic and fishing activity. This final phase of work is anticipated to be completed by the end of 2016.



Horizontal directional drill rig used to drill the boreholes.



The vessel that will be used to verify the conduit end exit points prior to casing installation activities

- The quarry operation at Forteau Point, which will be the source of the rock for subsea cable protection, is continuing with blasting and development of the quayside access road.
- Manufacturing and testing of the submarine cable in Japan is progressing as planned. Application of outer layers and armour for the first submarine cable has been completed, along with stranding for the second cable.
- Construction of the 350kV HVdc Labrador-Island Transmission Line (LIL) was awarded to Valard Construction in August. Construction activities are scheduled to commence this fall.
- Clearing on the first 30 km of the LIL right-of-way (ROW) was completed during the month. Clearing of the adjacent segment from 30-140 km continued to progress, and final evaluations are continuing in preparation of the award of additional blocks of ROW clearing for LIL.
- A marshalling yard has been established at the port of Argentia, Newfoundland to support the island portion of the HVdc construction. The yard began receiving transmission line materials in July.
- A significant amount of earthworks has been completed at the Soldiers Pond site, which will be the home of the island's converter station, switchyard and synchronous condenser facility. Since

the mobilization of H.J O'Connell in April 2014, grubbing at the site is complete with foundation preparation at site ongoing. A new site access road has been constructed, including an acceleration and deceleration lane on the TCH. Earthwork at the site is anticipated to be completed this fall.

#### **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/>.

The following contracts were awarded during the month of August:

- CT0327-001 - Construction of 350kV HVdc Transmission Line Section 1 (Valard Construction)
- CT0342 - Construction of AC Transmission Line on Island (Locke's Electrical Limited)
- CD0502 - Construction of AC Substations (Alstom Grid Canada Inc.)
- CD0534 - EPC Supply & Install Synchronous Condensers @ Soldiers Pond (Alstom Renewable Power Canada Inc.)

#### **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 August 2014, the direct facilities capital cost for the projects was updated.

External market pressures, combined with strategic investments to enhance system reliability, operation and productivity throughout construction, have resulted in an updated capital cost forecast for the project of \$6.99 billion.

Since construction of the hydroelectric development at Muskrat Falls began, changing market conditions in an extremely competitive construction industry locally, nationally and globally, have increased the facilities capital costs on the project by approximately four per cent. Since sanction, several design enhancements have been made to improve system quality and reliability, construction productivity and operational efficiencies, which increased the facilities capital costs on the project by an additional nine per cent.

##### **5.1 Incurred Cost Overview**

Table 1 summarizes the incurred costs for the project for the month of August 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 August 2014 (Costs in CAD (\$Thousands))\***

Project Component	DG3 Estimate	August 2014 Cost Estimate	Incurred Cost Current Month	Incurred Cost Project to Date
Muskrat Falls Hydroelectric Generating Facility	\$2,901,158	\$3,371,989	\$43,065	\$1,004,861
Labrador Transmission Assets	\$691,582	\$831,945	\$22,385	\$224,150
Labrador-Island Transmission Link	\$2,609,749	\$2,786,480	\$55,997	\$384,067
<b>Total</b>	<b>\$6,202,489</b>	<b>\$6,990,414</b>	<b>\$121,447</b>	<b>\$1,613,078</b>

\* Value excludes interest during construction and capitalized financing costs

## 5.2 Monthly Expenditure Overview

- Total expenditures paid for the Muskrat Falls Project were approximately \$88 million in August 2014. This includes over \$22.7 million to Newfoundland and Labrador businesses.
- Between January 2013 to the end of the reporting period in August 2014, \$546 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 August and for the Project to date.

Indicator	August 2014	Project to Date
Number of hours worked	685,450	5,380,803
Safety Step Backs completed	24,014	188,099
Work site inspections	365	6,005
Orientations completed	911	11,016
Lost-time injuries	0	3
Medical aid incidents	1	9

A Vehicle Safety Checks dashboard sticker was rolled out and placed in all Lower Churchill Project fleet vehicles in August. Stickers were also given to contractors and subcontractors for use in their vehicles being used on project work sites. The sticker was developed as a reminder for vehicle operators to circle their vehicle and check for hazards before operating, to wear their seat belt, and to ensure beacon lights and buggy whips are engaged and disengaged at the appropriate times.



## 6.2 Environment

The Lower Churchill Project (LCP) 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.

Environmental highlights for August include:

- LCP continued with its avifauna management program for raptors which is designed to provide protection during the nesting season within the project footprint. Avifauna were protected through identification and implementation of buffers. In total, 76 setbacks were established around raptor nests. The established setback distance for raptors was 800 metres.
- With ongoing construction at Soldiers Pond, the environment team continues to monitor erosion control due to the site's proximity to a large waterbody. To monitor water quality at the site, weekly water sampling is conducted. Water samples are analyzed weekly for nitrates, pH, and total suspended solids. Monthly water sampling is also conducted which includes analysis for hydrocarbons, turbidity and metals.

Erosion control measures at the site have included:

- 1) erosion control blanket (coconut blanket) (see Figure 2) placed on sloped banks to reduce loss of topsoil and runoff on sloped banks;
- 2) silt fences to filter sediment laden water;
- 3) installation of a sediment boom to control the distance of a sediment plume if one were to occur;
- 4) two engineered sediment traps constructed to collect surface runoff and allow suspended sediment to settle and/or to be filtered; and
- 5) geotextile wrapped hay bales placed in low areas to provide further filtration of surface runoff.



Active raptor nest identified during a survey for the Avifauna Management Program



Installation of erosion control blanket (coconut blanket)

## **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 August 2014. Detailed employment information and statistics are outlined in Section 10.

- In August, over 685,000 hours were worked by 3,334 individuals on the projects, including almost 592,000 hours of work in Labrador.
- During the month of August, 2,860 residents of Newfoundland and Labrador were employed on the projects, representing over 85 per cent of the total persons employed.
- In August, there were 2,694 people working in Labrador, of whom 1,043 were Labrador residents (about 39 per cent). Of these 1,043 Labrador residents, 441 self-identified themselves as a member of a Labrador Aboriginal group (about 42 per cent).

### **7.2 Recruitment Activities**

During August, employers working on the projects conducted 500 searches on the muskratfallsjobs.com online database seeking potential workers for the project. The number of candidate profiles in the employment database grew to over 26,000 by the end of the month.

### **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 participated in a specific session on Innu culture, which is delivered by an Innu business.

#### **7.3.2 Labrador Aboriginal Training Partnership (LATP) Support**

In August, 30 students graduated from Rebar and Scaffolding programs supported by the LATP and participated in on-the-job training with contractors on the Muskrat Falls Project. In addition, the selection of candidates was finalized for Concrete Form Worker training. LATP training programs continued throughout the month and planning for programs continued for future course offerings. LATP also continued to provide safety certification training to clients throughout the month as well as implemented a wage subsidy program designed to connect Aboriginal people from Labrador with employment opportunities.



Pictured above and below: graduates of the Ironworker (Rebar) program at Happy Valley-Goose Bay College of the North Atlantic campus (delivered in conjunction with the Ironworkers Training School) visited the Muskrat Falls Project site and met with representatives of AGF Steel, who is the rebar sub-contractor for Astaldi Canada.



## **7.4 Gender Equity and Diversity**

### **7.4.1 Employment of Women and Apprenticeships**

In August, 547 women were working on all project components, comprising about 16 per cent of the total workforce. Of these, 284 were working in construction, 27 in engineering, 90 in project management, and 146 in project support. Of the 547 women working on the project, 505 of these women are Newfoundland and Labrador residents.

During the month of August, 180 apprentices were employed, of whom 19 were women.

### **7.4.2 Promoting Women in Trades**

LCP continued to work with Women in Resource Development Corporation (WRDC) on an information session for tradeswomen to be held in Labrador west in September 2014. Posters and information sheets have been circulating through various social media and community outreach organizations in Labrador west.

LCP is a sponsor of the Office to Advance Women Apprentices (OAWA) annual skilled trade conference. This is the second of two events - the first event was held in Stephenville on May 7 and the second event was scheduled for Happy Valley-Goose Bay on October 9 and 10. LCP will have a booth at the trade show and will present information about jobs and benefits with the Muskrat Falls Project to female apprentices and women interested in the trades.

### **7.4.3 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. A September information session has been requested by Independent Living Resource Center at their main office in St. John's. LCP continued to work with Innu staff and WRDC to plan an information session for women with disabilities in Sheshatshiu.

### **7.4.4 Childcare Roundtable**

LCP participated in a meeting with members of Innu Nation in a childcare roundtable discussion. Topics included babysitting training for Innu young people and training programs for Innu early childhood educators. LCP and Astaldi subsequently sponsored a babysitting course in Sheshatshiu that was delivered by St. John's Ambulance. Eight Innu young people received certification as qualified babysitters.

## **7.5 Labrador Innu Initiatives**

### **7.5.1 Impacts and Benefits Agreement (IBA) Implementation Activities**

A total of 206 Innu people worked on the Project in Labrador in August. As in previous months, Innu workers were working in a wide range of occupations, including construction trades, labourers, camp accommodations and food services. Innu workers were also in apprenticeship, foreperson and shop steward positions.

The Tshiashkueish Lower Churchill IBA scholarship program is funded by Nalcor Energy for the benefit of Labrador Innu under the terms of the Lower Churchill Innu IBA. Scholarships are administered by the

Tshiashkueish Committee, a joint Nalcor Energy and Innu Nation committee. For the 2014-15 school year, four scholarships of \$6,250 each have been awarded to four Innu students enrolled full-time in a post-secondary institution. Two scholarships will be awarded to Sheshatshiu residents and two to Natuashish residents.

LCP made arrangements to enable Innu LCP workers to vote in the August 15 Innu Nation election. Workers were permitted to leave early without loss of pay to take a direct bus to the polling station in Sheshatshiu. For Innu workers staying in camp, a private room with a dedicated phone was provided whereby persons could vote by a toll-free line in the advanced poll.

## **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](http://muskratfallsjobs.com)) as well as a website that provides information on project construction activities ([muskratfalls.nalcorenergy.com](http://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.

During the month, LCP employees in Happy Valley-Goose Bay responded to over 300 phone, email and face-to-face inquiries. The majority of inquiries during the month were regarding employment opportunities with the project.

## **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 \$92,000 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 August.

### *Great Labrador Canoe Race*

The 2014 Great Labrador Canoe Race was held August 23, 2014, with 38 teams participating. This community event began in 2010 and has grown to be a popular late summer destination for paddlers from across the province and beyond. Nalcor was proud to continue its Trapper Level sponsorship with a \$7,500 contribution in the event again this year.



Robin Penney and Paul Watson, employees of Valard Construction, took time from their day to hand out water to the paddlers at the Great Labrador Canoe Race.

#### *Multi-Cultural Youth Gathering*

LCP once again supported the Labrador Friendship Centre's Annual Multi-Cultural Youth Gathering with a \$3,000 contribution towards this initiative. The gathering, which was held on August 8 to 10, 2014, is for youth between the ages of 13-18 all across Labrador. The main focus of the event is to expose youth from different cultural backgrounds such as: Inuit, Metis, Innu, and non-Aboriginal youth to cultural diversity and allow them to get to know one another. They experience many traditions from different cultures and learn to explore each one.

#### *18th Annual Air Labrador - Nasittuq Cancer Memorial Golf*

LCP continued its support of the annual golf tournament. The objective of the tournament is to raise funds that will be used locally to support cancer awareness, education and prevention initiatives. Since the inception of the tournament in 1996, more than \$200,000 has been raised by supporters, which has been used for cancer education and prevention initiatives in partnership with the Local Chapter of the Canadian Cancer Society and Health Labrador Corporation.

## 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
HDD	Horizontal Directional Drilling
HVac	High voltage AC transmission
HVdc	High voltage DC transmission
IBA	Impacts and Benefits Agreement
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 – August 2014**

Work Location	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	69,343	78.7%	4,889	5.5%	12,289	13.9%	1,584	1.8%	<b>88,106</b>
Labrador	290,334	49.0%	220,773	37.3%	68,833	11.6%	12,047	2.0%	<b>591,987</b>
Other Canada	14	0.3%	-	0.0%	3,348	83.4%	652	16.2%	<b>4,014</b>
International	-	0.0%	-	0.0%	-	0.0%	1,344	100.0%	<b>1,344</b>
<b>Total</b>	<b>359,691</b>	<b>52.5%</b>	<b>225,662</b>	<b>32.9%</b>	<b>84,471</b>	<b>12.3%</b>	<b>15,627</b>	<b>2.3%</b>	<b>685,450</b>

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

Work Location	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	884,717	67.9%	32,483	2.5%	360,549	27.7%	24,706	1.9%	<b>1,302,455</b>
Labrador	1,981,961	50.2%	1,455,094	36.8%	477,777	12.1%	34,730	0.9%	<b>3,949,562</b>
Other Canada	519	0.4%	-	0.0%	119,718	97.4%	2,671	2.2%	<b>122,907</b>
International	-	0.0%	-	0.0%	35	0.6%	5,844	99.4%	<b>5,879</b>
<b>Total</b>	<b>2,867,197</b>	<b>53.3%</b>	<b>1,487,576</b>	<b>27.6%</b>	<b>958,079</b>	<b>17.8%</b>	<b>67,951</b>	<b>1.3%</b>	<b>5,380,803</b>

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

Work Location	Residency								Total
	Island		Labrador		Other Canada		Non-Canadian		
	at Location	% of Total	at Location	% of Total	at Location	% of Total	at Location	% of Total	
Island	474	80.7%	21	3.6%	84	14.3%	8	1.4%	<b>587</b>
Labrador	1,321	49.0%	1,043	38.7%	294	10.9%	36	1.3%	<b>2,694</b>
Other Canada	1	2.4%	-	0.0%	38	92.7%	2	4.9%	<b>41</b>
International	-	0.0%	-	0.0%	-	0.0%	12	100.0%	<b>12</b>
<b>Total</b>	<b>1,796</b>	<b>53.9%</b>	<b>1,064</b>	<b>31.9%</b>	<b>416</b>	<b>12.5%</b>	<b>58</b>	<b>1.7%</b>	<b>3,334</b>

## 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 – August 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	3,761	-	921	<b>4,682</b>	22,817	7,263	14,458	<b>44,538</b>
01-05 - Specialized middle management occupations	10,772	1,585	6,244	<b>18,600</b>	89,666	57,717	102,568	<b>249,951</b>
07-09 - Middle management occupations in trades, transportation, production and utilities	11,888	370	1,480	<b>13,738</b>	44,727	10,561	22,564	<b>77,852</b>
11 - Professional occupations in business and finance	5,893	416	4,921	<b>11,230</b>	26,457	14,056	55,598	<b>96,110</b>
12 - Administrative and financial supervisors and administrative occupations	10,511	2,461	8,488	<b>21,459</b>	84,115	102,784	122,007	<b>308,906</b>
13 - Finance, insurance and related business administrative occupations	750	135	2,126	<b>3,011</b>	8,436	7,934	24,836	<b>41,205</b>
14 - Office support occupations	9,966	-	100	<b>10,066</b>	34,739	-	2,137	<b>36,875</b>
21 - Professional occupations in natural and applied sciences	38,889	8,398	18,177	<b>65,463</b>	240,421	314,228	246,984	<b>801,633</b>
22 - Technical occupations related to natural and applied sciences	23,909	4,557	8,380	<b>36,846</b>	124,345	193,495	80,809	<b>398,648</b>
32 - Technical occupations in health	2,836	-	-	<b>2,836</b>	37,005	-	2,212	<b>39,217</b>
41 - Professional occupations in law and social, community and government services	7,832	1,387	1,595	<b>10,814</b>	66,425	35,105	25,908	<b>127,438</b>
43 - Occupations in front-line public protection services	200	-	-	<b>200</b>	1,822	-	311	<b>2,133</b>
63 - Service supervisors and specialized service occupations	6,163	-	230	<b>6,393</b>	48,787	-	3,639	<b>52,426</b>
65 - Service representatives and other customer and personal services occupations	10,271	100	3	<b>10,374</b>	97,639	2,401	6,534	<b>106,574</b>
67 - Service support and other service occupations, n.e.c.	36,092	-	-	<b>36,092</b>	152,138	-	4,112	<b>156,250</b>
72 - Industrial, electrical and construction trades	152,702	80	347	<b>153,129</b>	967,428	944	32,935	<b>1,001,307</b>
73 - Maintenance and equipment operation trades	46,654	-	1	<b>46,655</b>	315,701	1,984	3,592	<b>321,277</b>
74 - Other installers, repairers and servicers and material handlers	4,218	-	259	<b>4,477</b>	20,764	48	3,977	<b>24,789</b>
75 - Transport and heavy equipment operation and related maintenance occupations	104,579	-	-	<b>104,579</b>	774,292	1,363	6,874	<b>782,528</b>
76 - Trades helpers, construction labourers and related occupations	100,244	-	-	<b>100,244</b>	549,369	3,373	8,429	<b>561,171</b>
82 - Supervisors and technical occupations in natural resources, agriculture and related production	21,101	-	-	<b>21,101</b>	127,443	-	6,481	<b>133,924</b>
86 - Harvesting, landscaping and natural resources labourers	2,823	-	241	<b>3,064</b>	14,869	60	677	<b>15,606</b>
92 - Processing, manufacturing and utilities supervisors and central control operators	400	-	-	<b>400</b>	400	-	46	<b>445</b>
<b>All Occupation Categories</b>	<b>612,451</b>	<b>19,488</b>	<b>53,511</b>	<b>685,450</b>	<b>3,849,802</b>	<b>753,315</b>	<b>777,685</b>	<b>5,380,802</b>

Table 6 – Residents Hired by 2-Digit NOC Code – August 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	6	17	35%	-	-	0%	7	8	88%	13	25	52%
01-05 - Specialized middle management occupations	27	49	55%	5	13	38%	36	43	84%	68	105	65%
07-09 - Middle management occupations in trades, transportation, production and utilities	17	36	47%	2	2	100%	3	7	43%	22	45	49%
11 - Professional occupations in business and finance	12	21	57%	3	3	100%	27	28	96%	42	52	81%
12 - Administrative and financial supervisors and administrative occupations	39	54	72%	12	19	63%	37	49	76%	88	122	72%
13 - Finance, insurance and related business administrative occupations	2	3	67%	1	1	100%	15	15	100%	18	19	95%
14 - Office support occupations	49	49	100%	-	-	0%	1	1	100%	50	50	100%
21 - Professional occupations in natural and applied sciences	96	146	66%	24	77	31%	98	110	89%	218	333	65%
22 - Technical occupations related to natural and applied sciences	87	111	78%	22	39	56%	48	53	91%	157	203	77%
32 - Technical occupations in health	15	16	94%	-	-	0%	-	-	0%	15	16	94%
41 - Professional occupations in law and social, community and government services	45	55	82%	8	10	80%	9	10	90%	62	75	83%
43 - Occupations in front-line public protection services	1	1	100%	-	-	0%	-	-	0%	1	1	100%
63 - Service supervisors and specialized service occupations	26	27	96%	-	-	0%	1	1	100%	27	28	96%
65 - Service representatives and other customer and personal services occupations	57	61	93%	1	1	100%	1	1	100%	59	63	94%
67 - Service support and other service occupations, n.e.c.	169	171	99%	-	-	0%	-	-	0%	169	171	99%
72 - Industrial, electrical and construction trades	671	723	93%	1	1	100%	11	11	100%	683	735	93%
73 - Maintenance and equipment operation trades	163	197	83%	-	-	0%	1	1	100%	164	198	83%
74 - Other installers, repairers and servicers and material handlers	15	18	83%	-	-	0%	1	2	50%	16	20	80%
75 - Transport and heavy equipment operation and related maintenance occupations	427	469	91%	-	-	0%	-	-	0%	427	469	91%
76 - Trades helpers, construction labourers and related occupations	452	482	94%	-	-	0%	-	-	0%	452	482	94%
82 - Supervisors and technical occupations in natural resources, agriculture and related production	95	105	90%	-	-	0%	-	-	0%	95	105	90%
86 - Harvesting, landscaping and natural resources labourers	11	14	79%	-	-	0%	1	1	100%	12	15	80%
92 - Processing, manufacturing and utilities supervisors and central control operators	2	2	100%	-	-	0%	-	-	0%	2	2	100%
<b>All Occupation Categories</b>	<b>2,484</b>	<b>2,827</b>	<b>88%</b>	<b>79</b>	<b>166</b>	<b>48%</b>	<b>297</b>	<b>341</b>	<b>87%</b>	<b>2,860</b>	<b>3,334</b>	<b>86%</b>

### 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 – August 2014 and Project to Date**

Work Location	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
<b>NL</b>								
Island	35,774	13,434	38,898	<b>88,106</b>	219,237	536,510	546,708	<b>1,302,455</b>
Labrador	572,678	4,854	14,456	<b>591,987</b>	3,595,491	129,078	224,993	<b>3,949,562</b>
<b>Total NL</b>	608,452	18,288	53,353	<b>680,093</b>	3,814,728	665,587	771,701	<b>5,252,017</b>
Other Canada	2,814	1,200	-	<b>4,014</b>	31,405	87,619	3,883	<b>122,907</b>
<b>Total Canada</b>	611,266	19,488	53,353	<b>684,107</b>	3,846,133	753,206	775,584	<b>5,374,923</b>
International	1,186	-	158	<b>1,344</b>	3,669	109	2,101	<b>5,879</b>
<b>All Locations</b>	<b>612,451</b>	<b>19,488</b>	<b>53,511</b>	<b>685,450</b>	<b>3,849,802</b>	<b>753,315</b>	<b>777,685</b>	<b>5,380,802</b>

**Table 8 – Residents Hired by Location of Work – August 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
<b>NL</b>												
Island	203	217	94%	51	110	46%	241	260	93%	<b>495</b>	<b>587</b>	<b>84%</b>
Labrador	2,280	2,577	88%	28	37	76%	56	80	70%	<b>2,364</b>	<b>2,694</b>	<b>88%</b>
<b>Total NL</b>	2,483	2,794	89%	79	147	54%	297	340	87%	<b>2,859</b>	<b>3,281</b>	<b>87%</b>
Other Canada	1	22	5%	-	19	0%	-	-	0%	<b>1</b>	<b>41</b>	<b>2%</b>
<b>Total Canada</b>	2,484	2,816	88%	79	166	48%	297	340	87%	<b>2,860</b>	<b>3,322</b>	<b>86%</b>
International	-	11	0%	-	-	0%	-	1	0%	<b>-</b>	<b>12</b>	<b>0%</b>
<b>Total</b>	<b>2,484</b>	<b>2,827</b>	<b>88%</b>	<b>79</b>	<b>166</b>	<b>48%</b>	<b>297</b>	<b>341</b>	<b>87%</b>	<b>2,860</b>	<b>3,334</b>	<b>86%</b>

#### 10.4 Employment by Aboriginal Affiliation

Tables 9 through 13 summarize employment by Aboriginal Affiliation.

**Table 9 - Person Hours of Employment by Aboriginal Affiliation – August 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 <sup>(a)</sup>	35,153	-	729	<b>35,882</b>	306,159	-	2,112	<b>308,271</b>
Nunatsiavut <sup>(a)</sup>	21,830	348	125	<b>22,302</b>	154,942	10,956	7,212	<b>173,110</b>
NunatuKavut <sup>(a)</sup>	27,740	180	886	<b>28,806</b>	191,502	3,445	7,220	<b>202,167</b>
Other NL Aboriginal <sup>(a)</sup>	11,499	-	250	<b>11,749</b>	65,485	-	500	<b>65,985</b>
Aboriginal - Other Canada	2,112	-	180	<b>2,292</b>	17,270	-	1,164	<b>18,434</b>
Non-Aboriginal <sup>(b)</sup>	514,117	18,960	51,342	<b>584,418</b>	3,187,749	739,165	685,922	<b>4,612,836</b>
<b>All Groups</b>	<b>612,451</b>	<b>19,488</b>	<b>53,511</b>	<b>685,450</b>	<b>3,923,107</b>	<b>753,566</b>	<b>704,129</b>	<b>5,380,802</b>

<sup>(a)</sup> Also NL residents

<sup>(b)</sup> Includes residents and non-residents

**Table 10 – Persons Employed by Aboriginal Affiliation – August 2014**

Aboriginal Group	C&A		E&D		PM		Total	
	Persons	%	Persons	%	Persons	%	Persons	%
<b>Residents</b>								
Labrador Innu	202	8.1%	-	0.0%	4	1.3%	<b>206</b>	<b>7.2%</b>
Nunatsiavut	108	4.3%	2	2.5%	2	0.7%	<b>112</b>	<b>3.9%</b>
NunatuKavut	127	5.1%	1	1.3%	4	1.3%	<b>132</b>	<b>4.6%</b>
Other Aboriginal	56	2.3%	-	0.0%	1	0.3%	<b>57</b>	<b>2.0%</b>
All Aboriginal	493	19.8%	3	3.8%	11	3.7%	<b>507</b>	<b>17.7%</b>
Non-Aboriginal	1,991	80.2%	76	96.2%	286	96.3%	<b>2,353</b>	<b>82.3%</b>
<b>Total</b>	<b>2,484</b>	<b>100%</b>	<b>79</b>	<b>100%</b>	<b>297</b>	<b>100%</b>	<b>2,860</b>	<b>100%</b>
<b>Non Residents</b>								
Aboriginal – Canada	10	2.9%	-	0.0%	1	2.3%	<b>11</b>	<b>2.3%</b>
Non-Aboriginal	333	97.1%	87	100.0%	43	97.7%	<b>463</b>	<b>97.7%</b>
<b>Total</b>	<b>343</b>	<b>100%</b>	<b>87</b>	<b>100%</b>	<b>44</b>	<b>100%</b>	<b>474</b>	<b>100%</b>
<b>Summary</b>								
Aboriginal	503	17.8%	3	1.8%	12	3.5%	<b>518</b>	<b>15.5%</b>
Non-Aboriginal	2,324	82.2%	163	98.2%	329	96.5%	<b>2,816</b>	<b>84.5%</b>
<b>Total</b>	<b>2,827</b>	<b>100%</b>	<b>166</b>	<b>100%</b>	<b>341</b>	<b>100%</b>	<b>3,334</b>	<b>100%</b>

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- August 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%	1,497	1.7%	720	0.8%	1,738	2.0%	84,151	95.5%	<b>88,106</b>
Labrador	35,882	6.1%	27,309	4.6%	21,582	3.6%	12,304	2.1%	494,910	83.6%	<b>591,987</b>
Other Canada	-	0.0%	-	0.0%	-	0.0%	-	0.0%	4,014	100.0%	<b>4,014</b>
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	1,344	100.0%	<b>1,344</b>
<b>All Locations</b>	<b>35,882</b>	<b>5.2%</b>	<b>28,806</b>	<b>4.2%</b>	<b>22,302</b>	<b>3.3%</b>	<b>14,041</b>	<b>2.0%</b>	<b>584,418</b>	<b>85.3%</b>	<b>685,450</b>

**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%	12,771	1.0%	1,696	0.1%	6,315	0.5%	1,281,673	98.4%	<b>1,302,455</b>
Labrador	308,271	7.8%	189,396	4.8%	171,414	4.3%	78,091	2.0%	3,202,390	81.1%	<b>3,949,562</b>
Other Canada	-	0.0%	-	0.0%	-	0.0%	13	0.0%	122,894	100.0%	<b>122,907</b>
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	5,879	100.0%	<b>5,879</b>
<b>All Locations</b>	<b>308,271</b>	<b>5.7%</b>	<b>202,167</b>	<b>3.8%</b>	<b>173,110</b>	<b>3.2%</b>	<b>84,419</b>	<b>1.6%</b>	<b>4,612,836</b>	<b>85.7%</b>	<b>5,380,803</b>

**Table 13 – Number of Persons Employed by Location of Work and Aboriginal Affiliation- August 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%	7	1.2%	2	0.3%	8	1.4%	570	97.1%	<b>587</b>
Labrador	206	7.6%	125	4.6%	110	4.1%	60	2.2%	2,193	81.4%	<b>2,694</b>
Other Canada	-	0.0%	-	0.0%	-	0.0%	-	0.0%	41	100.0%	<b>41</b>
International	-	0.0%	-	0.0%	-	0.0%	-	0.0%	12	100.0%	<b>12</b>
<b>All Locations</b>	<b>206</b>	<b>6.2%</b>	<b>132</b>	<b>4.0%</b>	<b>112</b>	<b>3.4%</b>	<b>68</b>	<b>2.0%</b>	<b>2,816</b>	<b>84.5%</b>	<b>3,334</b>

## 10.5 Employment by Gender

Tables 14 and 15 summarize employment by gender.

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

Gender	Current Period				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
Female	87,575	2,848	13,126	<b>103,549</b>	476,945	119,845	183,253	<b>780,043</b>
Male	524,876	16,640	40,385	<b>581,901</b>	3,446,162	633,721	520,876	<b>4,600,759</b>
<b>Total</b>	<b>612,451</b>	<b>19,488</b>	<b>53,511</b>	<b>685,450</b>	<b>3,923,107</b>	<b>753,566</b>	<b>704,129</b>	<b>5,380,802</b>

**Table 15 – Persons Employed by Gender – August 2014**

Gender	C&A		E&D		PM		Total	
	Persons	%	Persons	%	Persons	%	Persons	%
<b>Residents</b>								
Female	400	16.1%	21	26.6%	84	28.3%	<b>505</b>	<b>17.7%</b>
Male	2,084	83.9%	58	73.4%	213	71.7%	<b>2,355</b>	<b>82.3%</b>
<b>Total</b>	<b>2,484</b>	<b>100%</b>	<b>79</b>	<b>100%</b>	<b>297</b>	<b>100%</b>	<b>2,860</b>	<b>100%</b>
<b>Non Residents</b>								
Female	30	8.7%	6	6.9%	6	13.6%	<b>42</b>	<b>8.9%</b>
Male	313	91.3%	81	93.1%	38	86.4%	<b>432</b>	<b>91.1%</b>
<b>Total</b>	<b>343</b>	<b>100%</b>	<b>87</b>	<b>100%</b>	<b>44</b>	<b>100%</b>	<b>474</b>	<b>100%</b>
<b>Summary</b>								
Female	430	15.2%	27	16.3%	90	26.4%	<b>547</b>	<b>16.4%</b>
Male	2,397	84.8%	139	83.7%	251	73.6%	<b>2,787</b>	<b>83.6%</b>
<b>Total</b>	<b>2,827</b>	<b>100%</b>	<b>166</b>	<b>100%</b>	<b>341</b>	<b>100%</b>	<b>3,334</b>	<b>100%</b>

## 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 August 2014 by industry and company location.

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

Industry	Labrador	Newfoundland	Other Canada	Non-Canadian	Totals
Accommodation and Food Services	1,305	561,866	704	-	563,875
Administrative and Support, Waste Management and Remediation Services	34,890	1,513,503	-	-	1,548,393
Agriculture, Forestry, Fishing and Hunting	-	1,831,865	99,833	-	1,931,698
Arts, Entertainment and Recreation	10,000	-	-	-	10,000
Construction	1,183,428	6,414,562	44,939,357	5,347,982	57,885,330
Educational Services	6,000	-	115,227	-	121,227
Finance and Insurance	-	2,713	146,184	21,848	170,745
Health Care and Social Assistance	-	-	-	-	-
Information and Cultural Industries	-	27,671	51,843	4,337	83,851
Management of Companies and Enterprises	-	-	-	-	-
Manufacturing	-	260,856	101,529	6,888,821	7,251,205
Mining, Quarrying, and Oil and Gas Extraction	-	-	146,855	-	146,855
Other Services, Including Maintenance and Repair	45,133	779,405	54,840	-	879,378
Professional, Scientific and Technical Services	398,049	5,457,067	4,554,735	2,563,178	12,973,029
Public Administration	368	3,038	-	-	3,406
Real Estate, Rental and Leasing	-	-	-	-	-
Retail Trade	-	945,087	78	-	945,165
Transportation and Warehousing	666,190	817,423	548,947	-	2,032,560
Utilities	-	1,674,466	31,168	-	1,705,634
Wholesale Trade	42,126	12,934	15,913	-	70,972
<b>Grand Total</b>	<b>2,387,488</b>	<b>20,302,456</b>	<b>50,807,213</b>	<b>14,826,166</b>	<b>88,323,323</b>

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	1,029,786	27,028,044	318,716	-	28,376,546
Administrative and Support, Waste Management and Remediation Services	571,817	8,719,572	262,841	-	9,554,231
Agriculture, Forestry, Fishing and Hunting	15,000	40,196,213	520,118	-	40,731,332
Arts, Entertainment and Recreation	86,124	17,332	-	14,372	117,827
Construction	161,048,917	125,163,842	180,223,061	5,552,982	471,988,802
Educational Services	94,350	48,403	701,979	10,325	855,056
Finance and Insurance	-	14,369,389	27,198,300	214,797	41,782,486
Health Care and Social Assistance	500	3,606,789	-	-	3,607,289
Information and Cultural Industries	7,000	453,432	894,933	453,205	1,808,570
Management of Companies and Enterprises	-	-	-	-	-
Manufacturing	17	1,436,402	59,907,111	48,742,741	110,086,271
Mining, Quarrying, and Oil and Gas Extraction	9,000	682,879	5,064,411	1,200	5,757,490
Other Services, Including Maintenance and Repair	678,701	13,588,917	876,243	-	15,143,862
Professional, Scientific and Technical Services	4,063,412	70,414,789	142,421,202	6,190,896	223,090,298
Public Administration	6,294,526	1,830,412	1,344,421	-	9,469,359
Real Estate, Rental and Leasing	154,812	355,999	-	-	510,811
Retail Trade	733,470	4,823,695	102,646	-	5,659,811
Transportation and Warehousing	1,877,903	4,884,580	5,498,451	-	12,260,933
Utilities	727,617	50,096,169	2,441,100	5,188	53,270,075
Wholesale Trade	295,244	1,377,882	1,578,860	14,299,407	17,551,393
<b>Totals</b>	<b>177,688,197</b>	<b>369,094,741</b>	<b>429,354,392</b>	<b>75,485,112</b>	<b>1,051,622,442</b>

## 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 August. Appendix B contains a list of all contracts awarded to date since Project Sanction.

**Table 18 –Contracts Awarded During August, 2014**

Package #	Package Title	Award Date	Successful Bidder(s)
CD0502	Construction of AC Substations	22-Aug-14	Alstom Grid Canada Inc.
CD0534	EPC Supply & Install Synchronous Condensers @ Soldiers Pond	15-Aug-14	Alstom Renewable Power Canada Inc.
CT0327	Construction of 350kV HVdc Transmission Line Section 1	8-Aug-14	Valard Construction LP
CT0342	Construction of AC Transmission Line on Island (SP)	19-Aug-14	Locke's Electrical Limited

Table 19 lists the contract packages for which the RFPs have been issued but the packages have yet to be awarded as of August, 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.
CT0327-013	HVdc Clearing Access - Section 1 Blocks 4,5 and 6	Issued	

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	3,761	-	921	<b>4,682</b>	22,817	7,263	14,458	<b>44,538</b>
0111 - Financial Managers	180	-	236	<b>416</b>	1,325	-	4,728	<b>6,053</b>
0112 - Human Resources Managers	5,916	256	811	<b>6,982</b>	52,098	6,801	13,294	<b>72,192</b>
0113 - Purchasing Managers	580	252	400	<b>1,232</b>	2,468	6,146	6,084	<b>14,698</b>
0114 - Other Administrative Services Managers	2,612	-	815	<b>3,427</b>	20,398	3,023	7,370	<b>30,791</b>
0124 - Advertising, marketing and public relations managers	-	-	-	-	35	-	47	<b>82</b>
0125 - Other Business Services Managers	752	-	903	<b>1,655</b>	3,284	-	14,963	<b>18,247</b>
0211 - Engineering Managers	733	840	2,524	<b>4,097</b>	9,551	38,404	49,115	<b>97,069</b>
0213 - Computer and Information Systems Managers	-	237	556	<b>792</b>	508	3,344	6,968	<b>10,820</b>
0711 - Construction Managers	11,888	370	1,480	<b>13,738</b>	44,727	10,561	22,564	<b>77,852</b>
1111 - Financial Auditors and Accountants	986	-	495	<b>1,481</b>	4,573	1,658	10,355	<b>16,585</b>
1114 - Other Financial Officers	869	128	474	<b>1,471</b>	1,721	2,457	3,340	<b>7,518</b>
1121 - Human Resources professionals	3,058	288	2,537	<b>5,883</b>	17,212	9,911	25,667	<b>52,790</b>
1122 - Professional Occupations in Business management consulting	-	-	-	-	-	-	-	-
1123 - Professional occupations in advertising, marketing and public relations	980	-	1,416	<b>2,396</b>	2,951	31	16,236	<b>19,217</b>
1221 - Administrative Officers	650	1,162	917	<b>2,729</b>	11,088	25,583	9,188	<b>45,859</b>
1223 - Human resources and Recruitment Officers	400	128	240	<b>768</b>	1,299	3,100	5,979	<b>10,378</b>
1225 - Purchasing Agents and Officers	3,873	925	5,217	<b>10,015</b>	19,398	50,179	70,972	<b>140,548</b>
1241 - Administrative Assistants	5,588	247	2,114	<b>7,948</b>	52,330	23,922	35,869	<b>112,121</b>
1311 - Accounting technicians and bookkeepers	750	135	2,126	<b>3,011</b>	8,436	7,934	24,836	<b>41,205</b>
1411 - General Office support workers	9,966	-	-	<b>9,966</b>	33,414	-	131	<b>33,545</b>
1431 - Accounting and Related Clerks	-	-	100	<b>100</b>	1,325	-	2,006	<b>3,330</b>
2113 - Geologists, Geochemists and Geophysicists	620	140	304	<b>1,064</b>	2,863	9,000	2,196	<b>14,059</b>
2131 - Civil Engineers	9,433	2,543	2,416	<b>14,392</b>	58,878	108,993	35,980	<b>203,851</b>
2132 - Mechanical Engineers	356	878	1,445	<b>2,678</b>	3,472	31,327	22,146	<b>56,945</b>
2133 - Electrical and Electronics Engineers	-	2,571	3,070	<b>5,641</b>	1,244	90,578	38,688	<b>130,509</b>
2141 - Industrial and Manufacturing Engineers	10,692	268	2,805	<b>13,765</b>	45,861	11,645	32,096	<b>89,602</b>
2144 - Geological Engineers	3	398	-	<b>401</b>	771	4,817	26	<b>5,613</b>
2147 - Computer Engineers (Except Software Engineers and Designers)	151	192	-	<b>343</b>	1,746	3,118	160	<b>5,023</b>
2148 - Other Professional Engineers, n.e.c.	8,770	1,090	5,166	<b>15,026</b>	41,131	42,382	78,912	<b>162,424</b>
2151 - Architects	-	-	-	-	-	1,842	-	<b>1,842</b>
2153 - Urban and Land Use Planners	-	238	965	<b>1,203</b>	967	2,977	15,419	<b>19,362</b>
2154 - Land Surveyors	7,457	-	822	<b>8,279</b>	77,285	-	6,191	<b>83,476</b>
2171 - Information Systems Analysts and Consultants	1,408	80	1,185	<b>2,673</b>	6,205	7,551	15,172	<b>28,928</b>
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	5,041	454	756	<b>6,251</b>	36,414	62,965	17,524	<b>116,904</b>
2232 - Mechanical Engineering Technologists and Technicians	1,273	164	168	<b>1,605</b>	4,796	13,763	379	<b>18,938</b>
2234 - Construction Estimators	360	410	420	<b>1,190</b>	1,684	11,180	7,129	<b>19,992</b>
2241 - Electrical and Electronics Engineering Technologists and Technicians	461	303	2,594	<b>3,357</b>	2,687	22,443	14,193	<b>39,322</b>
2243 - Industrial Instrument Technicians and Mechanics	-	-	-	-	1,875	-	120	<b>1,995</b>
2251 - Architectural Technologists and Technicians	-	-	-	-	-	4,095	246	<b>4,340</b>
2253 - Drafting Technologists and Technicians	5,071	1,210	270	<b>6,551</b>	19,992	34,097	4,363	<b>58,452</b>
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	10,924	1,255	1,183	<b>13,361</b>	55,451	27,875	11,123	<b>94,448</b>
2264 - Construction Inspectors	781	761	2,990	<b>4,532</b>	1,387	17,079	25,723	<b>44,188</b>
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	-	-	60	-	9	<b>69</b>
3234 - Paramedical Occupations	2,836	-	-	<b>2,836</b>	37,005	-	2,212	<b>39,217</b>
4112 - Lawyers and Quebec Notaries	-	-	257	<b>257</b>	258	-	2,505	<b>2,762</b>
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	7,188	1,387	925	<b>9,500</b>	59,505	35,105	16,328	<b>110,938</b>
4162 - Economists and Economic Policy Researchers and Analysts	-	-	414	<b>414</b>	420	-	7,035	<b>7,455</b>
4169 - Other Professional Occupations in Social Science, n.e.c.	644	-	-	<b>644</b>	6,243	-	41	<b>6,284</b>
4312 - Firefighters	200	-	-	<b>200</b>	1,822	-	311	<b>2,133</b>
6313 - Accommodation, travel, tourism and related services supervisors	3,046	-	230	<b>3,276</b>	19,284	-	2,360	<b>21,644</b>
6321 - Chefs	-	-	-	-	596	-	-	<b>596</b>
6322 - Cooks	3,117	-	-	<b>3,117</b>	28,907	-	1,279	<b>30,186</b>
6541 - Security Guards and Related security service Occupations	10,271	100	3	<b>10,374</b>	97,639	2,401	6,534	<b>106,574</b>
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	36,092	-	-	<b>36,092</b>	152,138	-	4,112	<b>156,250</b>
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	7,195	-	-	<b>7,195</b>	22,505	-	457	<b>22,962</b>
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	545	-	72	<b>617</b>	7,365	-	463	<b>7,827</b>
7203 - Contractors and Supervisors, Pipefitting Trades	417	-	-	<b>417</b>	7,265	-	705	<b>7,970</b>
7204 - Contractors and Supervisors, Carpentry Trades	8,536	-	-	<b>8,536</b>	69,010	-	2,024	<b>71,034</b>
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	19,925	80	-	<b>20,005</b>	146,296	752	3,515	<b>150,563</b>
7233 - Sheet Metal Workers	2,059	-	-	<b>2,059</b>	27,118	-	1,825	<b>28,943</b>
7234 - Boilermakers	-	-	-	-	1,870	-	-	<b>1,870</b>
7236 - Ironworkers	35,431	-	-	<b>35,431</b>	103,298	-	792	<b>104,090</b>
7237 - Welders and Related Machine Operators	4,434	-	-	<b>4,434</b>	35,090	192	808	<b>36,089</b>
7242 - Industrial Electricians	2,676	-	126	<b>2,802</b>	94,425	-	8,731	<b>103,156</b>
7244 - Electrical Power Line and Cable Workers	116	-	149	<b>265</b>	11,592	-	1,481	<b>13,073</b>
7251 - Plumbers	1,237	-	-	<b>1,237</b>	21,686	-	2,195	<b>23,881</b>
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	625	-	-	<b>625</b>	11,725	-	-	<b>11,725</b>

4-Digit NOC Code	Current Month				Project to Date			
	C&A	E&D	PM	Total	C&A	E&D	PM	Total
7271 - Carpenters	65,874	-	-	<b>65,874</b>	396,956	-	9,804	<b>406,761</b>
7281 - Bricklayers	3,582	-	-	<b>3,582</b>	4,948	-	-	<b>4,948</b>
7293 - Insulators	-	-	-	-	4,474	-	-	<b>4,474</b>
7294 - Painters and Decorators (except interior decorators)	50	-	-	<b>50</b>	1,804	-	137	<b>1,941</b>
7301 - Contractors and supervisors, mechanic trades	2,003	-	-	<b>2,003</b>	15,888	-	358	<b>16,245</b>
7302 - Contractors and supervisors, heavy equipment operator crews	6,171	-	-	<b>6,171</b>	53,123	-	757	<b>53,880</b>
7311 - Construction Millwrights and Industrial Mechanics	491	-	1	<b>492</b>	731	-	61	<b>792</b>
7312 - Heavy- Duty Equipment Mechanics	14,809	-	-	<b>14,809</b>	108,610	824	1,779	<b>111,213</b>
7371 - Crane Operators	12,867	-	-	<b>12,867</b>	45,260	-	456	<b>45,716</b>
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	9,371	-	-	<b>9,371</b>	91,029	1,160	182	<b>92,370</b>
7384 - Other Trades and Related Occupations, n.e.c.	941	-	-	<b>941</b>	1,060	-	-	<b>1,060</b>
7452 - Material Handlers	4,218	-	259	<b>4,477</b>	20,764	48	3,977	<b>24,789</b>
7511 - Transport Truck Drivers	36,283	-	-	<b>36,283</b>	334,099	318	3,843	<b>338,260</b>
7512 - Bus Drivers, Subway Operators and Other Transit Operators	7,123	-	-	<b>7,123</b>	22,126	-	370	<b>22,496</b>
7521 - Heavy Equipment Operators (Except Crane)	61,172	-	-	<b>61,172</b>	418,028	1,045	2,661	<b>421,733</b>
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	-	-	40	-	-	<b>40</b>
7611 - Construction Trades Helpers and Labourers	10,965	-	-	<b>10,965</b>	117,997	-	816	<b>118,813</b>
7612 - Other Trades Helpers and Labourers	89,279	-	-	<b>89,279</b>	431,372	3,373	7,613	<b>442,358</b>
8211 - Supervisors, Logging and Forestry	1,540	-	-	<b>1,540</b>	16,808	-	700	<b>17,508</b>
8241 - Logging Machinery Operators	19,561	-	-	<b>19,561</b>	110,635	-	5,781	<b>116,416</b>
8616 - Logging and Forestry Labourers	2,823	-	241	<b>3,064</b>	14,869	60	677	<b>15,606</b>
9241 - Power Engineers and power system operators	400	-	-	<b>400</b>	400	-	46	<b>445</b>
<b>All Occupation Codes</b>	<b>612,451</b>	<b>19,488</b>	<b>53,511</b>	<b>685,450</b>	<b>3,849,802</b>	<b>753,315</b>	<b>777,685</b>	<b>5,380,802</b>

Table 22 – Residents Hired by 4-Digit NOC Code – August 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	6	17	35%	-	-	0%	7	8	88%	13	25	52%
0111 - Financial Managers	-	1	0%	-	-	0%	2	2	100%	2	3	67%
0112 - Human Resources Managers	15	26	58%	2	2	100%	6	7	86%	23	35	66%
0113 - Purchasing Managers	1	2	50%	1	2	50%	1	2	50%	3	6	50%
0114 - Other Administrative Services Managers	4	9	44%	-	-	0%	3	4	75%	7	13	54%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	3	4	75%	-	-	0%	5	6	83%	8	10	80%
0211 - Engineering Managers	4	7	57%	-	7	0%	15	17	88%	19	31	61%
0213 - Computer and Information Systems Managers	-	-	0%	2	2	100%	4	5	80%	6	7	86%
0711 - Construction Managers	17	36	47%	2	2	100%	3	7	43%	22	45	49%
1111 - Financial Auditors and Accountants	1	4	25%	-	-	0%	3	3	100%	4	7	57%
1114 - Other Financial Officers	2	3	67%	1	1	100%	3	4	75%	6	8	75%
1121 - Human Resources professionals	6	9	67%	2	2	100%	13	13	100%	21	24	88%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	3	5	60%	-	-	0%	8	8	100%	11	13	85%
1221 - Administrative Officers	3	3	100%	8	8	100%	4	5	80%	15	16	94%
1223 - Human resources and Recruitment Officers	1	1	100%	1	1	100%	2	2	100%	4	4	100%
1225 - Purchasing Agents and Officers	5	12	42%	1	7	14%	18	29	62%	24	48	50%
1241 - Administrative Assistants	30	38	79%	2	3	67%	13	13	100%	45	54	83%
1311 - Accounting technicians and bookkeepers	2	3	67%	1	1	100%	15	15	100%	18	19	95%
1411 - General Office support workers	49	49	100%	-	-	0%	-	-	0%	49	49	100%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	1	1	100%	1	1	100%
2113 - Geologists, Geochemists and Geophysicists	2	3	67%	2	4	50%	1	1	100%	5	8	63%
2131 - Civil Engineers	23	35	66%	10	30	33%	12	17	71%	45	82	55%
2132 - Mechanical Engineers	1	1	100%	2	10	20%	7	7	100%	10	18	56%
2133 - Electrical and Electronics Engineers	-	-	0%	2	17	12%	18	20	90%	20	37	54%
2141 - Industrial and Manufacturing Engineers	22	32	69%	1	2	50%	9	13	69%	32	47	68%
2144 - Geological Engineers	-	-	0%	2	3	67%	-	-	0%	2	3	67%
2147 - Computer Engineers (Except Software Engineers and Designers)	4	5	80%	1	1	100%	-	-	0%	5	6	83%
2148 - Other Professional Engineers, n.e.c.	13	33	39%	2	8	25%	34	35	97%	49	76	64%
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	26	32	81%	-	-	0%	4	4	100%	30	36	83%
2171 - Information Systems Analysts and Consultants	5	5	100%	1	1	100%	8	8	100%	14	14	100%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	26	30	87%	4	9	44%	4	5	80%	34	44	77%
2232 - Mechanical Engineering Technologists and Technicians	11	11	100%	1	2	50%	1	1	100%	13	14	93%
2234 - Construction Estimators	-	1	0%	-	3	0%	2	2	100%	2	6	33%
2241 - Electrical and Electronics Engineering Technologists and Technicians	3	3	100%	1	2	50%	21	22	95%	25	27	93%
2243 - Industrial Instrument Technicians and Mechanics	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	7	18	39%	4	11	36%	3	3	100%	14	32	44%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	39	42	93%	8	8	100%	7	7	100%	54	57	95%
2264 - Construction Inspectors	1	6	17%	4	4	100%	10	13	77%	15	23	65%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	15	16	94%	-	-	0%	-	-	0%	15	16	94%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	1	1	100%	1	1	100%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	42	51	82%	8	10	80%	5	6	83%	55	67	82%
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	9	10	90%	-	-	0%	1	1	100%	10	11	91%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	17	17	100%	-	-	0%	-	-	0%	17	17	100%
6541 - Security Guards and Related security service Occupations	57	61	93%	1	1	100%	1	1	100%	59	63	94%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	169	171	99%	-	-	0%	-	-	0%	169	171	99%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	30	38	79%	-	-	0%	-	-	0%	30	38	79%

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	3	67%	-	-	0%	1	1	100%	3	4
7203 - Contractors and Supervisors, Pipefitting Trades	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7204 - Contractors and Supervisors, Carpentry Trades	30	34	88%	-	-	0%	-	-	0%	30	34	88%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	70	86	81%	1	1	100%	-	-	0%	71	87	82%
7233 - Sheet Metal Workers	12	16	75%	-	-	0%	-	-	0%	12	16	75%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	182	191	95%	-	-	0%	-	-	0%	182	191	95%
7237 - Welders and Related Machine Operators	14	16	88%	-	-	0%	-	-	0%	14	16	88%
7242 - Industrial Electricians	14	14	100%	-	-	0%	3	3	100%	17	17	100%
7244 - Electrical Power Line and Cable Workers	-	1	0%	-	-	0%	7	7	100%	7	8	88%
7251 - Plumbers	5	5	100%	-	-	0%	-	-	0%	5	5	100%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	3	3	100%	-	-	0%	-	-	0%	3	3	100%
7271 - Carpenters	289	296	98%	-	-	0%	-	-	0%	289	296	98%
7281 - Bricklayers	16	16	100%	-	-	0%	-	-	0%	16	16	100%
7293 - Insulators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7294 - Painters and Decorators (except interior decorators)	1	1	100%	-	-	0%	-	-	0%	1	1	100%
7301 - Contractors and supervisors, mechanic trades	6	8	75%	-	-	0%	-	-	0%	6	8	75%
7302 - Contractors and supervisors, heavy equipment operator crews	19	31	61%	-	-	0%	-	-	0%	19	31	61%
7311 - Construction Millwrights and Industrial Mechanics	3	3	100%	-	-	0%	1	1	100%	4	4	100%
7312 - Heavy- Duty Equipment Mechanics	57	62	92%	-	-	0%	-	-	0%	57	62	92%
7371 - Crane Operators	46	54	85%	-	-	0%	-	-	0%	46	54	85%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	28	35	80%	-	-	0%	-	-	0%	28	35	80%
7384 - Other Trades and Related Occupations, n.e.c.	4	4	100%	-	-	0%	-	-	0%	4	4	100%
7452 - Material Handlers	15	18	83%	-	-	0%	1	2	50%	16	20	80%
7511 - Transport Truck Drivers	157	162	97%	-	-	0%	-	-	0%	157	162	97%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	30	30	100%	-	-	0%	-	-	0%	30	30	100%
7521 - Heavy Equipment Operators (Except Crane)	240	277	87%	-	-	0%	-	-	0%	240	277	87%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	46	50	92%	-	-	0%	-	-	0%	46	50	92%
7612 - Other Trades Helpers and Labourers	406	432	94%	-	-	0%	-	-	0%	406	432	94%

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	7	86%	-	-	0%	-	-	0%	6	7	86%
8241 - Logging Machinery Operators	89	98	91%	-	-	0%	-	-	0%	89	98	91%
8616 - Logging and Forestry Labourers	11	14	79%	-	-	0%	1	1	100%	12	15	80%
9241 - Power Engineers and power system operators	2	2	100%	-	-	0%	-	-	0%	2	2	100%
<b>Totals</b>	<b>2,484</b>	<b>2,827</b>	<b>88%</b>	<b>79</b>	<b>166</b>	<b>48%</b>	<b>297</b>	<b>341</b>	<b>87%</b>	<b>2,860</b>	<b>3,334</b>	<b>86%</b>

Table 23 – Female Workers Hired by 4-Digit NOC Code – August 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	3	17	18%	-	-	0%	1	8	13%	4	25	16%
0111 - Financial Managers	-	1	0%	-	-	0%	1	2	50%	1	3	33%
0112 - Human Resources Managers	7	26	27%	1	2	50%	3	7	43%	11	35	31%
0113 - Purchasing Managers	-	2	0%	-	2	0%	-	2	0%	-	6	0%
0114 - Other Administrative Services Managers	2	9	22%	-	-	0%	1	4	25%	3	13	23%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	2	4	50%	-	-	0%	2	6	33%	4	10	40%
0211 - Engineering Managers	2	7	29%	-	7	0%	1	17	6%	3	31	10%
0213 - Computer and Information Systems Managers	-	-	0%	1	2	50%	1	5	20%	2	7	29%
0711 - Construction Managers	3	36	8%	-	2	0%	-	7	0%	3	45	7%
1111 - Financial Auditors and Accountants	1	4	25%	-	-	0%	-	3	0%	1	7	14%
1114 - Other Financial Officers	2	3	67%	-	1	0%	3	4	75%	5	8	63%
1121 - Human Resources professionals	6	9	67%	2	2	100%	6	13	46%	14	24	58%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	-	5	0%	-	-	0%	6	8	75%	6	13	46%
1221 - Administrative Officers	3	3	100%	8	8	100%	4	5	80%	15	16	94%
1223 - Human resources and Recruitment Officers	1	1	100%	-	1	0%	2	2	100%	3	4	75%
1225 - Purchasing Agents and Officers	5	12	42%	2	7	29%	6	29	21%	13	48	27%
1241 - Administrative Assistants	29	38	76%	3	3	100%	12	13	92%	44	54	81%
1311 - Accounting technicians and bookkeepers	2	3	67%	-	1	0%	11	15	73%	13	19	68%
1411 - General Office support workers	46	49	94%	-	-	0%	-	-	0%	46	49	94%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	1	1	100%	1	1	100%
2113 - Geologists, Geochemists and Geophysicists	2	3	67%	-	4	0%	-	1	0%	2	8	25%
2131 - Civil Engineers	4	35	11%	4	30	13%	5	17	29%	13	82	16%
2132 - Mechanical Engineers	-	1	0%	-	10	0%	-	7	0%	-	18	0%
2133 - Electrical and Electronics Engineers	-	-	0%	-	17	0%	5	20	25%	5	37	14%
2141 - Industrial and Manufacturing Engineers	7	32	22%	-	2	0%	2	13	15%	9	47	19%
2144 - Geological Engineers	-	-	0%	-	3	0%	-	-	0%	-	3	0%
2147 - Computer Engineers (Except Software Engineers and Designers)	2	5	40%	-	1	0%	-	-	0%	2	6	33%
2148 - Other Professional Engineers, n.e.c.	5	33	15%	2	8	25%	4	35	11%	11	76	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	-	32	0%	-	-	0%	-	4	0%	-	36	0%
2171 - Information Systems Analysts and Consultants	1	5	20%	-	1	0%	1	8	13%	2	14	14%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	3	30	10%	2	9	22%	-	5	0%	5	44	11%
2232 - Mechanical Engineering Technologists and Technicians	-	11	0%	-	2	0%	-	1	0%	-	14	0%
2234 - Construction Estimators	-	1	0%	-	3	0%	-	2	0%	-	6	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	3	0%	-	2	0%	1	22	5%	1	27	4%
2243 - Industrial Instrument Technicians and Mechanics	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	4	18	22%	-	11	0%	-	3	0%	4	32	13%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	21	42	50%	-	8	0%	2	7	29%	23	57	40%
2264 - Construction Inspectors	-	6	0%	-	4	0%	-	13	0%	-	23	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	5	16	31%	-	-	0%	-	-	0%	5	16	31%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	1	0%	-	1	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	30	51	59%	2	10	20%	5	6	83%	37	67	55%
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	-	10	0%	-	-	0%	-	1	0%	-	11	0%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	6	17	35%	-	-	0%	-	-	0%	6	17	35%
6541 - Security Guards and Related security service Occupations	12	61	20%	-	1	0%	1	1	100%	13	63	21%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	114	171	67%	-	-	0%	-	-	0%	114	171	67%

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	-	38	0%	-	-	0%	-	-	0%	-	38	0%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	-	3	0%	-	-	0%	-	1	0%	-	4	0%
7203 - Contractors and Supervisors, Pipefitting Trades	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7204 - Contractors and Supervisors, Carpentry Trades	-	34	0%	-	-	0%	-	-	0%	-	34	0%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	2	86	2%	-	1	0%	-	-	0%	2	87	2%
7233 - Sheet Metal Workers	-	16	0%	-	-	0%	-	-	0%	-	16	0%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	3	191	2%	-	-	0%	-	-	0%	3	191	2%
7237 - Welders and Related Machine Operators	1	16	6%	-	-	0%	-	-	0%	1	16	6%
7242 - Industrial Electricians	-	14	0%	-	-	0%	-	3	0%	-	17	0%
7244 - Electrical Power Line and Cable Workers	-	1	0%	-	-	0%	-	7	0%	-	8	0%
7251 - Plumbers	-	5	0%	-	-	0%	-	-	0%	-	5	0%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7271 - Carpenters	2	296	1%	-	-	0%	-	-	0%	2	296	1%
7281 - Bricklayers	2	16	13%	-	-	0%	-	-	0%	2	16	13%
7293 - Insulators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7294 - Painters and Decorators (except interior decorators)	-	1	0%	-	-	0%	-	-	0%	-	1	0%
7301 - Contractors and supervisors, mechanic trades	-	8	0%	-	-	0%	-	-	0%	-	8	0%
7302 - Contractors and supervisors, heavy equipment operator crews	-	31	0%	-	-	0%	-	-	0%	-	31	0%
7311 - Construction Millwrights and Industrial Mechanics	-	3	0%	-	-	0%	-	1	0%	-	4	0%
7312 - Heavy- Duty Equipment Mechanics	2	62	3%	-	-	0%	-	-	0%	2	62	3%
7371 - Crane Operators	6	54	11%	-	-	0%	-	-	0%	6	54	11%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	1	35	3%	-	-	0%	-	-	0%	1	35	3%
7384 - Other Trades and Related Occupations, n.e.c.	1	4	25%	-	-	0%	-	-	0%	1	4	25%
7452 - Material Handlers	1	18	6%	-	-	0%	1	2	50%	2	20	10%
7511 - Transport Truck Drivers	10	162	6%	-	-	0%	-	-	0%	10	162	6%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	1	30	3%	-	-	0%	-	-	0%	1	30	3%
7521 - Heavy Equipment Operators (Except Crane)	15	277	5%	-	-	0%	-	-	0%	15	277	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	50	2%	-	-	0%	-	-	0%	1	50	2%
7612 - Other Trades Helpers and Labourers	51	432	12%	-	-	0%	-	-	0%	51	432	12%
8211 - Supervisors, Logging and Forestry	-	7	0%	-	-	0%	-	-	0%	-	7	0%
8241 - Logging Machinery Operators	-	98	0%	-	-	0%	-	-	0%	-	98	0%
8616 - Logging and Forestry Labourers	-	14	0%	-	-	0%	-	1	0%	-	15	0%
9241 - Power Engineers and power system operators	-	2	0%	-	-	0%	-	-	0%	-	2	0%
<b>Totals</b>	<b>430</b>	<b>2,827</b>	<b>15%</b>	<b>27</b>	<b>166</b>	<b>16%</b>	<b>90</b>	<b>341</b>	<b>26%</b>	<b>547</b>	<b>3,334</b>	<b>16%</b>

Table 24 – Aboriginal Workers by 4-Digit NOC Code – August 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	-	17	0%	-	-	0%	-	8	0%	-	25	0%
0111 - Financial Managers	-	1	0%	-	-	0%	-	2	0%	-	3	0%
0112 - Human Resources Managers	2	26	8%	-	2	0%	-	7	0%	2	35	6%
0113 - Purchasing Managers	-	2	0%	-	2	0%	-	2	0%	-	6	0%
0114 - Other Administrative Services Managers	-	9	0%	-	-	0%	-	4	0%	-	13	0%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	2	4	50%	-	-	0%	-	6	0%	2	10	20%
0211 - Engineering Managers	-	7	0%	-	7	0%	-	17	0%	-	31	0%
0213 - Computer and Information Systems Managers	-	-	0%	-	2	0%	-	5	0%	-	7	0%
0711 - Construction Managers	-	36	0%	-	2	0%	-	7	0%	-	45	0%
1111 - Financial Auditors and Accountants	1	4	25%	-	-	0%	-	3	0%	1	7	14%
1114 - Other Financial Officers	-	3	0%	-	1	0%	-	4	0%	-	8	0%
1121 - Human Resources professionals	1	9	11%	-	2	0%	4	13	31%	5	24	21%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	1	5	20%	-	-	0%	1	8	13%	2	13	15%
1221 - Administrative Officers	2	3	67%	-	8	0%	1	5	20%	3	16	19%
1223 - Human resources and Recruitment Officers	1	1	100%	-	1	0%	-	2	0%	1	4	25%
1225 - Purchasing Agents and Officers	-	12	0%	-	7	0%	-	29	0%	-	48	0%
1241 - Administrative Assistants	8	38	21%	-	3	0%	1	13	8%	9	54	17%
1311 - Accounting technicians and bookkeepers	1	3	33%	-	1	0%	1	15	7%	2	19	11%
1411 - General Office support workers	22	49	45%	-	-	0%	-	-	0%	22	49	45%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2113 - Geologists, Geochemists and Geophysicists	-	3	0%	-	4	0%	-	1	0%	-	8	0%
2131 - Civil Engineers	2	35	6%	-	30	0%	-	17	0%	2	82	2%
2132 - Mechanical Engineers	-	1	0%	1	10	10%	-	7	0%	1	18	6%
2133 - Electrical and Electronics Engineers	-	-	0%	-	17	0%	-	20	0%	-	37	0%
2141 - Industrial and Manufacturing Engineers	1	32	3%	-	2	0%	1	13	8%	2	47	4%
2144 - Geological Engineers	-	-	0%	-	3	0%	-	-	0%	-	3	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)	-	5	0%	-	1	0%	-	-	0%	-	6	0%
2148 - Other Professional Engineers, n.e.c.	1	33	3%	-	8	0%	-	35	0%	1	76	1%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	1	0%	-	5	0%	-	6	0%
2154 - Land Surveyors	6	32	19%	-	-	0%	-	4	0%	6	36	17%
2171 - Information Systems Analysts and Consultants	2	5	40%	-	1	0%	-	8	0%	2	14	14%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	2	30	7%	-	9	0%	1	5	20%	3	44	7%
2232 - Mechanical Engineering Technologists and Technicians	-	11	0%	-	2	0%	-	1	0%	-	14	0%
2234 - Construction Estimators	-	1	0%	-	3	0%	-	2	0%	-	6	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	3	0%	-	2	0%	1	22	5%	1	27	4%
2243 - Industrial Instrument Technicians and Mechanics	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	-	18	0%	-	11	0%	-	3	0%	-	32	0%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	1	42	2%	-	8	0%	1	7	14%	2	57	4%
2264 - Construction Inspectors	-	6	0%	-	4	0%	-	13	0%	-	23	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	-	16	0%	-	-	0%	-	-	0%	-	16	0%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	1	0%	-	1	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	21	51	41%	2	10	20%	-	6	0%	23	67	34%
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	10	10%	-	-	0%	-	1	0%	1	11	9%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	1	17	6%	-	-	0%	-	-	0%	1	17	6%

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	7	61	11%	-	1	0%	-	1	0%	7	63	11%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	79	171	46%	-	-	0%	-	-	0%	79	171	46%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	1	38	3%	-	-	0%	-	-	0%	1	38	3%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	1	3	33%	-	-	0%	-	1	0%	1	4	25%
7203 - Contractors and Supervisors, Pipefitting Trades	1	3	33%	-	-	0%	-	-	0%	1	3	33%
7204 - Contractors and Supervisors, Carpentry Trades	2	34	6%	-	-	0%	-	-	0%	2	34	6%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicicers	5	86	6%	-	1	0%	-	-	0%	5	87	6%
7233 - Sheet Metal Workers	-	16	0%	-	-	0%	-	-	0%	-	16	0%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	19	191	10%	-	-	0%	-	-	0%	19	191	10%
7237 - Welders and Related Machine Operators	-	16	0%	-	-	0%	-	-	0%	-	16	0%
7242 - Industrial Electricians	4	14	29%	-	-	0%	-	3	0%	4	17	24%
7244 - Electrical Power Line and Cable Workers	-	1	0%	-	-	0%	-	7	0%	-	8	0%
7251 - Plumbers	1	5	20%	-	-	0%	-	-	0%	1	5	20%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	-	3	0%	-	-	0%	-	-	0%	-	3	0%
7271 - Carpenters	35	296	12%	-	-	0%	-	-	0%	35	296	12%
7281 - Bricklayers	-	16	0%	-	-	0%	-	-	0%	-	16	0%
7293 - Insulators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7294 - Painters and Decorators (except interior decorators)	1	1	100%	-	-	0%	-	-	0%	1	1	100%
7301 - Contractors and supervisors, mechanic trades	-	8	0%	-	-	0%	-	-	0%	-	8	0%
7302 - Contractors and supervisors, heavy equipment operator crews	4	31	13%	-	-	0%	-	-	0%	4	31	13%
7311 - Construction Millwrights and Industrial Mechanics	-	3	0%	-	-	0%	-	1	0%	-	4	0%
7312 - Heavy- Duty Equipment Mechanics	9	62	15%	-	-	0%	-	-	0%	9	62	15%
7371 - Crane Operators	2	54	4%	-	-	0%	-	-	0%	2	54	4%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	4	35	11%	-	-	0%	-	-	0%	4	35	11%

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	4	18	22%	-	-	0%	-	2	0%	4	20	20%
7511 - Transport Truck Drivers	42	162	26%	-	-	0%	-	-	0%	42	162	26%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	10	30	33%	-	-	0%	-	-	0%	10	30	33%
7521 - Heavy Equipment Operators (Except Crane)	40	277	14%	-	-	0%	-	-	0%	40	277	14%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	13	50	26%	-	-	0%	-	-	0%	13	50	26%
7612 - Other Trades Helpers and Labourers	131	432	30%	-	-	0%	-	-	0%	131	432	30%
8211 - Supervisors, Logging and Forestry	-	7	0%	-	-	0%	-	-	0%	-	7	0%
8241 - Logging Machinery Operators	7	98	7%	-	-	0%	-	-	0%	7	98	7%
8616 - Logging and Forestry Labourers	-	14	0%	-	-	0%	-	1	0%	-	15	0%
9241 - Power Engineers and power system operators	-	2	0%	-	-	0%	-	-	0%	-	2	0%
<b>Totals</b>	<b>503</b>	<b>2,827</b>	<b>18%</b>	<b>3</b>	<b>166</b>	<b>2%</b>	<b>12</b>	<b>341</b>	<b>4%</b>	<b>518</b>	<b>3,334</b>	<b>16%</b>

Table 25 – Labrador Residents by 4-Digit NOC Code – August 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	1	17	6%	-	-	0%	1	8	13%	2	25	8%
0111 - Financial Managers	-	1	0%	-	-	0%	-	2	0%	-	3	0%
0112 - Human Resources Managers	2	26	8%	-	2	0%	-	7	0%	2	35	6%
0113 - Purchasing Managers	-	2	0%	-	2	0%	-	2	0%	-	6	0%
0114 - Other Administrative Services Managers	2	9	22%	-	-	0%	-	4	0%	2	13	15%
0124 - Advertising, marketing and public relations managers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
0125 - Other Business Services Managers	3	4	75%	-	-	0%	-	6	0%	3	10	30%
0211 - Engineering Managers	-	7	0%	-	7	0%	-	17	0%	-	31	0%
0213 - Computer and Information Systems Managers	-	-	0%	-	2	0%	-	5	0%	-	7	0%
0711 - Construction Managers	1	36	3%	-	2	0%	1	7	14%	2	45	4%
1111 - Financial Auditors and Accountants	1	4	25%	-	-	0%	-	3	0%	1	7	14%
1114 - Other Financial Officers	2	3	67%	-	1	0%	1	4	25%	3	8	38%
1121 - Human Resources professionals	2	9	22%	-	2	0%	6	13	46%	8	24	33%
1122 - Professional Occupations in Business management consulting	-	-	0%	-	-	0%	-	-	0%	-	-	0%
1123 - Professional occupations in advertising, marketing and public relations	1	5	20%	-	-	0%	2	8	25%	3	13	23%
1221 - Administrative Officers	2	3	67%	-	8	0%	1	5	20%	3	16	19%
1223 - Human resources and Recruitment Officers	1	1	100%	-	1	0%	-	2	0%	1	4	25%
1225 - Purchasing Agents and Officers	2	12	17%	-	7	0%	-	29	0%	2	48	4%
1241 - Administrative Assistants	11	38	29%	-	3	0%	1	13	8%	12	54	22%
1311 - Accounting technicians and bookkeepers	1	3	33%	-	1	0%	1	15	7%	2	19	11%
1411 - General Office support workers	40	49	82%	-	-	0%	-	-	0%	40	49	82%
1431 - Accounting and Related Clerks	-	-	0%	-	-	0%	-	1	0%	-	1	0%
2113 - Geologists, Geochemists and Geophysicists	-	3	0%	-	4	0%	-	1	0%	-	8	0%
2131 - Civil Engineers	3	35	9%	-	30	0%	-	17	0%	3	82	4%
2132 - Mechanical Engineers	-	1	0%	1	10	10%	1	7	14%	2	18	11%
2133 - Electrical and Electronics Engineers	-	-	0%	-	17	0%	-	20	0%	-	37	0%
2141 - Industrial and Manufacturing Engineers	3	32	9%	-	2	0%	2	13	15%	5	47	11%
2144 - Geological Engineers	-	-	0%	-	3	0%	-	-	0%	-	3	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)	-	5	0%	-	1	0%	-	-	0%	-	6	0%
2148 - Other Professional Engineers, n.e.c.	2	33	6%	-	8	0%	-	35	0%	2	76	3%
2151 - Architects	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2153 - Urban and Land Use Planners	-	-	0%	-	1	0%	-	5	0%	-	6	0%
2154 - Land Surveyors	10	32	31%	-	-	0%	-	4	0%	10	36	28%
2171 - Information Systems Analysts and Consultants	3	5	60%	-	1	0%	1	8	13%	4	14	29%
2221 - Biological Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2231 - Civil Engineering Technologists and Technicians	2	30	7%	-	9	0%	-	5	0%	2	44	5%
2232 - Mechanical Engineering Technologists and Technicians	1	11	9%	-	2	0%	-	1	0%	1	14	7%
2234 - Construction Estimators	-	1	0%	-	3	0%	-	2	0%	-	6	0%
2241 - Electrical and Electronics Engineering Technologists and Technicians	-	3	0%	-	2	0%	4	22	18%	4	27	15%
2243 - Industrial Instrument Technicians and Mechanics	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2251 - Architectural Technologists and Technicians	-	-	0%	-	-	0%	-	-	0%	-	-	0%
2253 - Drafting Technologists and Technicians	2	18	11%	-	11	0%	-	3	0%	2	32	6%
2263 - Inspectors in Public and Environmental Health and Occupational Health and Safety	8	42	19%	2	8	25%	3	7	43%	13	57	23%
2264 - Construction Inspectors	-	6	0%	-	4	0%	-	13	0%	-	23	0%
2271 - Air Pilots, Flight Engineers and Flying Instructors	-	-	0%	-	-	0%	-	-	0%	-	-	0%
3234 - Paramedical Occupations	5	16	31%	-	-	0%	-	-	0%	5	16	31%
4112 - Lawyers and Quebec Notaries	-	-	0%	-	-	0%	-	1	0%	-	1	0%
4161 - Natural and Applied Science Policy Researchers, Consultants and Program Officers	24	51	47%	3	10	30%	2	6	33%	29	67	43%
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	10	30%	-	-	0%	-	1	0%	3	11	27%
6321 - Chefs	-	-	0%	-	-	0%	-	-	0%	-	-	0%
6322 - Cooks	4	17	24%	-	-	0%	-	-	0%	4	17	24%

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	30	61	49%	1	1	100%	1	1	100%	32	63	51%
6711 - Food Counter Attendants, Kitchen Helpers and Related support Occupations	144	171	84%	-	-	0%	-	-	0%	144	171	84%
7201 - Contractors and supervisors, machining, metal forming, shaping and erecting trades and related occupations	2	38	5%	-	-	0%	-	-	0%	2	38	5%
7202 - Contractors and Supervisors, Electrical Trades and Telecommunications Occupations	1	3	33%	-	-	0%	-	1	0%	1	4	25%
7203 - Contractors and Supervisors, Pipefitting Trades	2	3	67%	-	-	0%	-	-	0%	2	3	67%
7204 - Contractors and Supervisors, Carpentry Trades	5	34	15%	-	-	0%	-	-	0%	5	34	15%
7205 - Contractors and Supervisors, Other Construction Trades, Installers, Repairers and Servicers	19	86	22%	-	1	0%	-	-	0%	19	87	22%
7233 - Sheet Metal Workers	4	16	25%	-	-	0%	-	-	0%	4	16	25%
7234 - Boilermakers	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7236 - Ironworkers	24	191	13%	-	-	0%	-	-	0%	24	191	13%
7237 - Welders and Related Machine Operators	4	16	25%	-	-	0%	-	-	0%	4	16	25%
7242 - Industrial Electricians	9	14	64%	-	-	0%	1	3	33%	10	17	59%
7244 - Electrical Power Line and Cable Workers	-	1	0%	-	-	0%	2	7	29%	2	8	25%
7251 - Plumbers	1	5	20%	-	-	0%	-	-	0%	1	5	20%
7252 - Steamfitters, Pipefitters and Sprinkler System Installers	1	3	33%	-	-	0%	-	-	0%	1	3	33%
7271 - Carpenters	102	296	34%	-	-	0%	-	-	0%	102	296	34%
7281 - Bricklayers	-	16	0%	-	-	0%	-	-	0%	-	16	0%
7293 - Insulators	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7294 - Painters and Decorators (except interior decorators)	1	1	100%	-	-	0%	-	-	0%	1	1	100%
7301 - Contractors and supervisors, mechanic trades	-	8	0%	-	-	0%	-	-	0%	-	8	0%
7302 - Contractors and supervisors, heavy equipment operator crews	4	31	13%	-	-	0%	-	-	0%	4	31	13%
7311 - Construction Millwrights and Industrial Mechanics	3	3	100%	-	-	0%	1	1	100%	4	4	100%
7312 - Heavy- Duty Equipment Mechanics	19	62	31%	-	-	0%	-	-	0%	19	62	31%
7371 - Crane Operators	8	54	15%	-	-	0%	-	-	0%	8	54	15%
7372 - Drillers and Blasters - Surface Mining, Quarrying and Construction	11	35	31%	-	-	0%	-	-	0%	11	35	31%

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	8	18	44%	-	-	0%	1	2	50%	9	20	45%
7511 - Transport Truck Drivers	111	162	69%	-	-	0%	-	-	0%	111	162	69%
7512 - Bus Drivers, Subway Operators and Other Transit Operators	30	30	100%	-	-	0%	-	-	0%	30	30	100%
7521 - Heavy Equipment Operators (Except Crane)	74	277	27%	-	-	0%	-	-	0%	74	277	27%
7533 - Boat and Cable Ferry Operators and Related Occupations	-	-	0%	-	-	0%	-	-	0%	-	-	0%
7611 - Construction Trades Helpers and Labourers	16	50	32%	-	-	0%	-	-	0%	16	50	32%
7612 - Other Trades Helpers and Labourers	241	432	56%	-	-	0%	-	-	0%	241	432	56%
8211 - Supervisors, Logging and Forestry	-	7	0%	-	-	0%	-	-	0%	-	7	0%
8241 - Logging Machinery Operators	2	98	2%	-	-	0%	-	-	0%	2	98	2%
8616 - Logging and Forestry Labourers	1	14	7%	-	-	0%	-	1	0%	1	15	7%
9241 - Power Engineers and power system operators	-	2	0%	-	-	0%	-	-	0%	-	2	0%
<b>Totals</b>	<b>1,024</b>	<b>2,827</b>	<b>36%</b>	<b>7</b>	<b>166</b>	<b>4%</b>	<b>33</b>	<b>341</b>	<b>10%</b>	<b>1,064</b>	<b>3,334</b>	<b>32%</b>

**Appendix B – Contracts Awarded Since Project Sanction**

**Table 26 – Contracts Awarded Since Project Sanction**

Package #	Package Title	Award Date	Successful Bidder(s)
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 Mikum Ltd. Partnership and PAL Airlines
SM0705	Provision of Laboratory Services	10-Feb-14	AMEC Americas Limited
PH0014	Supply of Generator Step-Up Transformers	10-Feb-14	ABB Inc.
PD0537	Supply of Power Transformers, AC Substations at CF, MF and SP	10-Feb-14	ABB Inc.
SH0040	Provision of Garbage Removal and Disposal Services (MF)	23-Jan-14	Pardy's Waste Management & Industrial Services
PH0016	Supply of Generator Circuit Breakers	17-Jan-14	ABB Inc.
PT0328	Supply of Transmission Line Conductors- 350 kV HVdc	2-Jan-14	General Cable Company Ltd. and Midal Cables Ltd.
PT0356	Stockbridge Dampers	20-Dec-13	Performed Line Products (Canada) Ltd.
PT0308	Supply of Steel Tower Foundations 350kV HVdc	20-Dec-13	Locweld Inc.
CH0032	Supply & Install Powerhouse & Spillway Hydro-Mechanical Equipment	19-Dec-13	Andritz Hydro Canada Inc.
PT0352	Supply of Anchor Materials 350 kV HVdc	18-Dec-13	Williams Form Hardware & Rockbolt (Canada) Ltd.
CT0319	AC Transmission Line Construction	17-Dec-13	Valard Construction LP
SH0018	Camp Catering, Housekeeping and Janitorial Services	16-Dec-13	Labrador Catering Limited Partnership
LC-SB-034	Conduit End Exit Verification	13-Dec-13	DOF Subsea Canada
CH0033	Supply & Install Powerhouse Cranes	9-Dec-13	Groupe LAR Inc.
LC-SB-027	Supply of Casing	4-Dec-13	East Coast Tubulars Ltd.
CH0007	Construction of Intake and Powerhouse Spillway and Transition Dams	29-Nov-13	Astaldi S.p.A
SH0022	Provision of Fuel Supply & Dispensing Services	18-Nov-13	Woodward's Oil Limited and Utapan Fuels Limited, a Joint Venture

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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.
PT0335	Supply of Anchor Materials – 315 kV HVac	22-August-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

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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
CD0512	Construction Contract for Construction Power	20-Jun-12	G.J. CAHILL & COMPANY LTD.
CH0004	Southside Access Road	25-August-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.

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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.