



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC

11 LaurierSt./ 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau

Québec

K1A 0S5

Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

This document contains a security requirement.

Ce document contient une condition de sécurité.

**Vendor/Firm Name and Address**

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**

Infrastructure Maintenance and Solution Services  
Division (FK)

L'Esplanade Laurier,

East Tower 4th Floor

L'Esplanade Laurier,

Tour est 4e étage

140 O'Connor, Street

Ottawa

Ontario

K1A 0R5

<b>Title - Sujet</b> FBI CBSA - Ports of Entry - QUE	
<b>Solicitation No. - N° de l'invitation</b> EP959-211861/A	<b>Amendment No. - N° modif.</b> 005
<b>Client Reference No. - N° de référence du client</b> 20211861	<b>Date</b> 2021-04-06
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$FK-307-79672	
<b>File No. - N° de dossier</b> fk307.EP959-211861	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Daylight Saving Time EDT <b>on - le 2021-04-23</b> Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Cowell, Philip	<b>Buyer Id - Id de l'acheteur</b> fk307
<b>Telephone No. - N° de téléphone</b> (613) 296-1922 ( )	<b>FAX No. - N° de FAX</b> (XXX) XXX-XXXX
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation amendment 005 is raised to:

1. **Respond to questions from the Industry**
  2. **Modify Annex A – Statement of Work**
  3. **Modify Appendix C – Determination of Invoices**
- 

#### 1. Respond to questions from the Industry

**Q1.** Can you please let us know if we are going to get all the plans (HVAC, architectural and others) for the building in Stanstead Port of Entry located in Stanstead QUE?

**R1.** Plans for various Ports of Entry, including Stanstead Route 55 have been uploaded to Central Collab.

**Q2.** Would it be possible to have access to the building control system screens, in particular for the Stanstead 55 building?

**R2.** An opportunity to conduct an on-site viewing of the building automation control system screens at Stanstead Route 55 has been made available to bidders by email.

**Q3.** Please confirm the electricity rates used for the exterior lighting in Stanstead 55. It is our understanding the pole mounted fixtures are on a street lighting rate of approximately \$0.03 per kWh verses the M rate from Hydro Quebec. Please advise.

##### **Stanstead 55**

###### Fuel Oil:

Groupe Energie BDL Inc.

- Fuel Oil Rate \$0.4863/litre

###### Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

**R3.** CBSA has verified invoices, spoken with BGIS and contacted Hydro Quebec; there is no indication that the street lighting is paid for by CBSA at this facility. CBSA was informed that a BGIS technician mentioned the street lighting during site visits, but this seems to have been done in error.

**Q4.** Please advise the Base Year that should be used for savings calculations. Currently we are using April 2019 to March 2020. If this is correct, please advise.

**R4.** Bidders are free to select any previous period as a baseline for energy savings. Typically, this is the most recent 12-month period that data is available, and deviations from that would be based on a

described rationale. With the onset of COVID-19, the base year selected would be the most appropriate. Bidders are also free to choose varying base years for separate utilities. This may be for a number of reasons, but typically stem from potentially erroneous data from a faulty or replaced meter, or if a change in operation of the equipment served by a particular meter justify a deviation in base years.

**Q5.** It was observed during our site visits that BGIS has completed lighting retrofits for interior lighting as recent as last year, which may have covered several buildings. Should these saving be carried in our financial analysis? Please provide a list of buildings and details of the scope of lighting retrofits completed.

**R5.** The savings resulting from the following previously completed lighting retrofits should be taken into consideration when establishing the baseline year energy consumption, but these savings are not to contribute to the energy savings resulting from the proposed program.

- Dundee: only the lighting under the canopy was replaced with LED
- Trout River: only the secondary examination area lights (canopy) have been replaced with LED
- Herdman: only the lighting under the canopy has been replaced with LED
- Hemmingford: only the lighting under the canopy has been replaced with LED
- Covey Hill, Morses Line & Clarenceville: all exterior lighting is LED
- St-Bernard, Lacolle 221, Lacolle 223 and Quai Richelieu: No change and lighting at the end of its useful life
- Noyan: there are only 4 lampposts (4 heads) left to replace with LED on the USA side (near live wires)
- Frelighsburg: Street lights replaced with LED
- East Pinnacle: One street light replaced with LED
- Saint Pamphile: Indoor and Outdoor LED (replaced in 2021)
- Pohénégamook: Interior LED (replaced in 2020)
- Chartierville: Interior and exterior LED (replaced in 2020)
- Stanhope: interior LED
- Stanstead 55: 100% commercial LED – international on the 2<sup>nd</sup> floor only (replaced in 2020)
- Estrie and Appalaches Port of Entry: As far as the interior LED upgrades, it's clear that there were some problems that arose when the installation took place. In Stanstead (Route 247) and Stanstead (Route 143), since the work of a Border Services Officer varies from a normal type of desk job because of the shift work, BGIS proceeded to installing new equipment with respect to the LUX diagrams (recommended by CBSA and PSPC). Since these offices are open 24 hours a day and the human body works differently at night, there were a lot of complaints for more clarity. BGIS ended up having to install some dimmers to permit the Border Services Officers to control the clarity of the light.

**Q6.** The effect of carbon pricing will have an impact on savings calculations. Please advise if carbon pricing should be accounted for in the saving calculations? If so, please provide annual rates to use for financial calculations purposes. Example below:

GHG factors	
Year	Tax (\$/Ton)
2018	\$ 10
2019	\$ 20
2020	\$ 30
2021	\$ 40
2022	\$ 50
2023	\$ 65
2024	\$ 80
2025	\$ 95
2026	\$ 110
2027	\$ 125
2028	\$ 140
2029	\$ 155
2030	\$ 170
Average	

**R6.** PSPC acknowledges that there is a known escalation in utility rates based upon identified carbon pricing factors. These factors are subject to change by an Act of legislation or by any change in government policy. As such, no escalation in energy rates, even for known adjustment factors, is to be used to calculate project savings. Application of escalation factors may be used in subsequent Feasibility Studies, but not applicable at the Request for Proposals stage.

**Q7.** Page 62/131 of the RFP details the elements forming part of the entry points and including the Duty-Free buildings. During our visit, it was mentioned to us that their consumption was independent and that they were not part of the project. Can you confirm that Duty-Free buildings are not included in the scope of work?

**R7.** The Duty-free buildings are not included in this solicitation. An amendment to the RFP Annex A will be issued to reflect this change.

**Q8.** Excel spreadsheets containing energy consumption are sometimes incomplete, including the one that seems to be supposed to bring all the information together in one document (CBSA E-Report-RP1 2021\_01\_30 (For ESCos).xlsx). In particular, the electricity consumption for the commercial building in St-Bernard-de-Lacolle is mostly indicated as 0 and does not make it possible to establish a reference consumption. Is it possible to have more information on the electricity consumption of St-Bernard-de-Lacolle?

In addition, the electrical demand for the majority of buildings are not indicated in the documents. Could all values for electrical demand be supplied?

**R8.** In the document *CBSA E-Report-RP1 2021\_01\_30 (For ESCos).xlsx* on Central Collab, see meter G4AE0053712 of the agricultural building associated with St-Bernard-de-Lacolle (named "AGRICULTURE BUILDING" in the document). The new commercial building associated with St-Bernard-de-Lacolle (named "EDIFICE COMMERCIAL" in the document), shares its electricity with the agricultural building. The entire invoice is sent to the agriculture building so it will be necessary to do a calculation to determine the electrical consumption. The distribution is approximately:

- Commercial building = 86.21%
- Agricultural building = 13.79%

So the majority of the agricultural building bill is actually that of the commercial building.

Unfortunately no, CBSA is not able to provide more electrical demand values than indicated in the document *CBSA E-Report-RP1 2021\_01\_30 (For ESCos).xlsx*. Rows that do not contain electrical demand values do not have a high enough demand to exceed the billable threshold.

**Q9.** Is outdoor lighting (street lights) part of the project limits? These are not included in the invoices of the projects, but page 9/131 of the Request for Proposal states that "[t]he Proposal shall address all the buildings at these Institutions, and the exterior elements of the sites." If they have to be considered, what are the prices for outdoor lighting at the different sites?

**R9.** Outdoor lighting is included in the project limits. Hydro Quebec's Public Lighting rate is \$0.1036/kWh. An amendment to the RFP Appendix C will be issued to include the missing utility rates. In the document *CBSA E-Report-RP1 2021\_01\_30 (For ESCOs).xlsx*, you will find three sites with meters named "Sentinel" that refer to outdoor lighting paid by CBSA:

- East Hereford
  - SENTINEL-26 ROUTE253
  - G9SJ3124216
- Frelighsburg
  - G9SJ1920949
  - SENTINEL-191 -193 237 RD
- Covey Hill
  - BIMONTLY-SENTINEL-ROUTE 203
  - G95SJ3636121"

**Q10.** At least 4 buildings have benefited from exhaustive energy audits in recent years, namely Armstrong, Morses Line, Stanhope and Stanstead 55. Is it possible to know what recommendations from these reports have been put in place?

**R10.**

Armstrong: Some work was done regarding the condensation in the Primary Inspection Line (PIL) booths. Please see the documentation uploaded to the *Armstrong* folder on Central Collab

Morses Line: No work has been completed.

Stanhope: Lighting upgrades have been implemented. Additional documentation regarding work that was done in 2013, following the 2011 energy audit, has been uploaded to the *Stanhope* folder on Central Collab.

Stanstead Route 55: Some lighting work has been completed, as noted in the document entitled *152100399\_TQI-mv*, which has been uploaded to the *Stanstead (Route 55)* folder on Central Collab.

**Q11.** The tender document states on page 126/131 that "[...] use of diesel as heating fuel should be recorded as light fuel oil consumption". However, in the invoices of Stanstead 55, the consumption of diesel becomes very high from mid-2020, at the same time when the fuel oil bills disappear. However, the "Meter Name" is different. Can you clarify this situation? If there was a mixture, then the diesel consumption for the generator would be missing from 2018-09-12 or the two consumptions would have been combined.

**R11.** With further analysis, BGIS has determined that the diesel invoices for the facility Stanstead Route 55 are actually fuel oil invoices. The supplier miscoded the invoices which caused the system to show them as diesel. BGIS is currently validating with the supplier to ensure that the error does not happen again. Bidders are to consider the diesel consumption data for Stanstead as fuel oil.

**2. Modify Annex A – Statement of Work**

Delete: **Annex A – Statement of Work** in its entirety;

Insert: The following new **Annex A – Statement of Work**

(Please see attached)

**3. Modify Appendix C – Determination of Invoices**

Delete: **Appendix C – Determination of Invoices** in its entirety; and

Insert: the following new **Appendix C – Determination of Invoices**

(Please see attached)

*No other changes apply*

## **Annex A**

### **GENERAL STATEMENT OF WORK**

The ESCo must be responsible for implementing an energy savings program at the facilities listed below, owned by Canada Border Services Agency (CBSA).

The following facilities are part of this FBI Solicitation:

#### **CBSA-Owned Ports of Entry (Quebec Region):**

- Abercorn
- Armstrong
- Chartierville
- Clarenceville
- Covey Hill
- Dundee
- East Hereford
- East Pinnacle
- Frelighsburg
- Glen Sutton
- Hemmingford
- Herdman
- Lacolle Rte 221
- Lacolle Rte 223
- Morses Line
- Noyan
- Pohénégamook
- Quai Richelieu
- Stanhope
- Stanstead 143
- Stanstead 55
- Stanstead Beebe
- St-Bernard de Lacolle (new commercial building only)
- St-Pamphile
- Trout River
- Memphrémagog

## **OVERVIEW**

### **Facility Descriptions**

The primary use of the ports of entry included in this solicitation is to enable travel across the international border between Canada and the United States. Each port of entry contains a main customs building, which is primarily used for administrative purposes. Each port of entry has a unique configuration, which typically includes some of the following ancillary buildings/areas:

- Primary Inspection Line (PIL) Booths
- Secondary Examination Buildings/Areas
- Tertiary Examination Buildings/Areas
- Storage Buildings/Areas
- Arming Rooms
- Detention Rooms
- Residences
- Garages
- Sheds
- Mechanical Equipment Buildings

- Parking Lots
- Duty-Free Buildings **(Excluded from this solicitation)**

The hours of operation of the Canada Border Services Agency (CBSA) ports of entry included in this Solicitation may be found at the following website: <https://www.cbsa-asfc.gc.ca/do-rb/menu-eng.html>

### **General Scope and Conditions of Work**

The following is a statement of the general scope and conditions of work that are required from the successful ESCo for this project, but it is not an all-inclusive list.

1. The ESCo must undertake engineering and project management and related responsibilities and duties as required to implement energy efficiency improvements in the facility.
2. The ESCo must guarantee the performance in terms of a fixed payback period not exceeding 120 months. This must be worked out using financing cost at an interest rate as shown in [Appendix "I", page 5](#).
3. This requirement is for all facilities, including associated ancillary buildings/area listed above, in the section "General Statement of Work".
4. The ESCo must conduct an assessment, which must examine the existing facility, physical plant, systems and equipment, operating and maintenance procedures and existing space conditions, and assess the potential for reduction in energy consumption and energy demand. The ESCo must develop the concept of the energy efficiency improvements related to but not restricted to: lighting, motors, heating, ventilation and air conditioning, envelope improvements, control systems, fuel conversion, load sharing and load shedding, and water consumption improvements.
5. Changes to the tenant's equipment or its operations must not be included in the proposal.
6. The existing environmental conditions and systems operating hours are based on the client department's program requirements and system capabilities and must be maintained. Any changes to these will have to be approved by PWGSC and the client departments.

### **ADDITIONAL PROVISIONS**

1. Canada reserves the right to review and reject any of the retrofit measure proposed by the ESCo in the Energy Audit Report, for inclusion in the Contract.
2. **Client Requirements**
  - 2.1 Clients, with sensitive programs occupy the buildings. Any disruption during operating hours must be minimal. The operating hours vary from area to area. In computer and training rooms, the work affecting the operations can be implemented during a period coordinated with the occupants.
  - 2.2 In occupied areas, the implementation of Measures must not disrupt the operation of the facility. On site modifications to equipment are to be coordinated through the Departmental Representative, and, if need be, most of the Work must be performed during "off" hours and no premium must be charged for this.
  - 2.3 Working Hours in occupied areas must be established before implementation of the Work in any area. The ESCo must give the Departmental Representative adequate advance notice before start of the Work in any area.



- 2.4 The existing comfort level in terms of thermal conditions, humidity levels, air circulation and indoor air quality must not be lowered. If the codes allow levels below the existing levels, then approval must be obtained from the Departmental Representative before making changes to present levels. The Department may require a change in baseline.

### **3. Applicable Codes, Standards & Guidelines**

- 3.1 The design and implementation of all Improvements and systems and subsystems and modification and up-grading of all existing equipment, systems, and sub-systems must conform to ASHRAE 90.1, Canada Occupational Safety & Health Regulations pursuant to the Canada Labour Code Part II, Treasury Board Personnel Management Manual Occupational Safety & Health, Health & Safety Guidelines for Energy Management Projects under the Federal Buildings Initiative, the Department Environmental Standard for office accommodation - MD 15000, **Technical Reference for Office Building Design (TROBD)**, and all applicable building codes. Refer to the National Energy Code, (2011) where applicable.

### **4. Energy Audit Report**

- 4.1 The first phase of this Contract will be the preparation of an Energy Audit Report consistent with the ESCo's Proposal within (5) five months after signing of the Contract to confirm the findings of the Proposal Brief. The Energy Audit Report must meet the requirements covered under Appendix "A", Definitions.
- 4.1.1 Preparation of the Energy Audit Report can be completed in stages. The last stage must be completed within the above referenced (5) five months.
- 4.2 The ESCo must supplement the Energy Audit Report with any additional Measures, as approved by Canada, before preparing Design Documents for that Measure.
- 4.3 If the Savings found in the Energy Audit Report do not total to at least 90% of the savings projected in the Proposal, there must be no payments from the Department should it exercise its right to Terminate the Contract.
- 4.4 The ESCo must define the equipment, systems and sub-systems that are affected by the Improvements in the Energy Audit Report.
- 4.5 The Departmental Representative must review and accept for implementation several or all of the Measures identified in the Energy Audit Report. PSPC reserves the right to reject any of the retrofit measures proposed by the ESCo in the Energy Audit Report, for inclusion in the Contract. The approved Measures must become part of the Contract.

### **5. Monthly Reporting By The ESCo**

- 5.1 Monthly reporting must begin the month following signing of the Contract. Each monthly report must provide the Departmental Representative with sufficient details as required under Appendix "F" and Annex "A" Section 13.1.8.5 to permit a thorough and accurate assessment of the report.

### **6. Related Work**

- 6.1 The ESCo must select and implement an energy monitoring system, including all hardware and software required to quantify and qualify projected and actual Energy Savings. The ESCo must provide comprehensive training to Canada's staff in the use of the system.
- 6.2 The ESCo must review and update existing operating manuals or prepare new operating manuals to reflect changes resulting from the Measures. The ESCo must provide all required troubleshooting

manuals, operating manuals, as-built drawings and other written instructions for new and affected equipment and systems, and must incorporate this documentation into the existing manual inventory.

- 6.3 The ESCo must provide support to, and must participate with the Department in its task of providing information to the occupants regarding the benefits of energy efficiency improvements and their effects on the workplace. Support must include, but not be limited to, all labour and material required for provision of such information kits, information seminars, videos and monitoring as may be required in complete coordination with the tenants as defined in the Energy Audit Report.
- 6.4 Additional work may be requested by PSPC in addition to the requirements of this Contract, and the need for which is determined not to have resulted from the Implementation of the Measures. PSPC may pay the ESCo directly for such work or may request that the ESCo extend the Guaranteed Payback Period in accordance with GC 32 of this document.

## **7. Construction Schedule**

- 7.1 Upon approval of the Measures contained within the Energy Audit Report, the ESCo must submit for approval to Canada a proposed critical path schedule. This schedule must define, at a minimum, each phase of each Measure described in the Energy Audit Report, for the performance of the Work, and Commissioning, which must include a date for Completion of each Measure and a Commencement Date.
- 7.2 The ESCo must submit to Canada, on a monthly basis from the signing of the Contract, a report which must reasonably describe the status of the Work in accordance with Annex "A" Section 10.
- 7.3 The ESCo must complete and commission the last Measure of the Improvements within the time period specified in the ESCo's Proposal Brief, beginning from the signing of the Contract.
- 7.4 Upon written approval by Canada, the ESCo may be authorized to modify the construction schedule, which can exceed the time period stated in Annex "A" Section 7.3.

## **8. Design And Working Documents**

- 8.1 The ESCo must execute the following work for the accepted Measures following the Energy Audit Report:
- 8.1.1 Prepare, complete and furnish for review by Canada, as per agreed schedule, the Design Documents for each approved Measure, in accordance with the general design direction and philosophy expressed in the Energy Audit Report.
- 8.1.2 Upon acceptance of the Design Documents, prepare, complete and furnish for the approval of Canada, the Working Documents for the installation of the Improvements in accordance with the approved Design Documents and performance specifications;
- 8.1.2.1 A professional engineer, registered in the Province where the Work is located, must certify the Working Documents and Shop Drawings.
- 8.2 The ESCo must be responsible to ensure accuracy of all plans, specifications and any other documentation used to plan or design the Improvements. The ESCo must be liable for any damages arising from inaccuracy or incorrectness of any plans, drawings, specifications or other design documentation prepared by the ESCo and/or its Subcontractors.

8.3 No acceptance or review by Canada, whether expressed or implied, must be deemed to relieve the ESCo of any professional or technical responsibility for the plans, drawings, calculations or other material prepared or assembled by or on behalf of the ESCo. The review by Canada must be for the sole purpose of ascertaining general design concept and maintainability of systems, and must not mean approval of the design detail inherent in the documents.

8.4 Without restricting the provisions of GC 6, the ESCo must comply with all statutes, regulations, by-laws and codes applicable to the Improvements, and must obtain the required permits, consents and/or approvals for the Work, as required by local, Provincial, and Federal jurisdictions.

8.5 For a new Direct Digital Control (DDC) system, the ESCo must meet the following PSPC requirements:

8.5.1 In preparing project specifications, the ESCo must use the current edition of the National Master Specification, (NMS) Division 25, Section 250111-259001, in accordance with the "NMS User's Guide". The ESCo retains overriding responsibility for content and must edit, amend and supplement the NMS as deemed necessary to produce an appropriate project specification free from conflict and ambiguity. Project specifications will be subject to review by Canada.

8.5.2 The system must meet Canada's bilingual requirements.

## **9. Changes In Design And Working Documents**

9.1 Notwithstanding any approvals previously given, the ESCo must make changes in the Design Documents when requested in writing by Canada. Prior to implementing such changes, the ESCo must advise and obtain approval from Canada in writing of the effect if any, of the said changes on the Improvements in terms of time to complete, the Total Cost of Project, the Guaranteed Payback Period, Energy use and any other implications that may arise.

## **10. Duties Of The Parties During The Construction Period**

10.1 During the period of construction of the Improvements, the ESCo must be responsible for:

10.1.1 The preparation, issuance and administration of all tender calls, in accordance with generally accepted tendering practices.

10.1.2 Ensuring that subcontractors follow the instructions or protocols as established by Canada in conjunction with the occupant, to ensure that the functioning of any computer facility must not be interrupted.

10.1.3 Ensuring that the ESCo personnel or the ESCo's subcontractors' personnel working on the systems for any computer facility and related areas have experience in working on facilities of a similar nature.

10.1.4 The preparation, issuance and administration of purchase orders and subcontracts.

10.1.5 The verification and approval of shop and manufacturers' drawings.

10.1.6 The correspondence relating to the completion of the Improvements.

10.1.7 The approval of substitutions of methods and materials after consultation with Canada.

10.1.8 Submitting to Canada a copy of all subcontracts, with a summary of the scope of Work.

10.1.9 Developing an implementation schedule, consistent with the project schedule described in Annex "A" Section 7, showing the detail and extent of occupant spaces to be disturbed

during the Work and a plan to minimize the disturbances.

- 10.1.10 Providing appropriate site supervision to ensure that the progress of the Work and the quality of materials and workmanship are in conformity with the requirements of the design and the subcontracts entered into between the ESCo and the Subcontractors to complete the Improvements.
- 10.1.11 The preparation and provision to Canada of two (2) copies of project manuals, and of "as-built" architectural, structural, mechanical and electrical drawings of systems and areas only as they relate to the scope of Work required for the Measures. Canada must supply to the ESCo the original drawings, if available, of such systems and areas on reproducible paper or AutoCAD if available. The ESCo must execute its "as-built" drawings on AutoCAD (or most recent version), following Canada's standard practice, and proper computer drafting practice.
- 10.1.12 The final inspection of the installation of each of the Improvements and issuance of Measure completion certificates from the ESCo's design engineers, identifying the approval from the local inspection authority.
- 10.1.13 Ensuring that all federal, provincial and local regulations relating to occupational health and safety are respected throughout the construction period.
- 10.1.14 The supervision of the Work by the ESCo and its Subcontractors to ensure that the Work is completed in accordance with local bylaws and regulations and the applicable directives as referred to in Annex "A" Section 4 and any other applicable codes and standards.
- 10.1.15 The acceptance of the Work of the Subcontractors.
- 10.1.16 The start-up and Commissioning of the Improvements and affected systems.
- 10.1.17 Training of the personnel in accordance with Annex "A" Section 14, in order to ensure the proper operation and maintenance of the building equipment and systems affected by the Improvements.
- 10.1.18 Notifying Canada of any previously unknown or unexposed health hazards including, but not limited to, PCBs and asbestos that may be discovered through the course of the construction of the Work.
- 10.1.19 Assisting Canada in carrying out his or her duties as they relate to the Contract.
- 10.1.20 Permitting Canada access to the Work and its site at all times during the performance of the Contract.
- 10.1.21 Providing Canada with all necessary documents and information necessary to carry out the monitoring of the design and implementation of each Improvement.
- 10.1.22 Providing Material Safety Data Sheets (MSDS) for all WHMIS controlled materials used by the ESCo or its Subcontractors.
- 10.2 During the period of construction of the Improvements, Canada agrees:
  - 10.2.1 To permit the implementation of the Improvements.
  - 10.2.2 When repairs or replacements of existing equipment or systems are required for the implementation of the Improvements, and when such repairs or replacements are not the result of improper actions of the ESCo, and the ESCo has notified Canada that such repairs

or replacements are necessary, if these repairs or replacements are economically feasible, then Canada must immediately proceed to effect such repairs or replacements. Where such repairs or replacements are beneficial to the energy performance of the Facility, the Baseline Data and/or Guaranteed Payback Period must be adjusted accordingly.

- 10.2.3 To provide the ESCo with a storage room of approximately twelve square metres (12 m<sup>2</sup>).
- 10.2.4 To provide power and water on site at no cost to the ESCo for the execution of the Work, which is to be used in a cost effective manner by the ESCo.
- 10.2.5 To perform monitoring of the design and implementation of the Improvements.
- 10.2.6 To participate in the Commissioning of the Improvements.
- 10.2.7 To make existing WHMIS information available to the ESCo.
- 10.2.8 To provide to the ESCo Energy use data within ten (10) Working Days of its receipt, and this provision must continue until the end of the Contract period or until the Contract is terminated.

#### **11. The ESCo's Site Representative**

- 11.1 The ESCo must, upon the award of the Contract, designate a project manager who must be in full charge of the operations, and who is authorized to accept any notice, consent, order, direction, decision or other communication on behalf of the ESCo.
- 11.2 The ESCo must, until the Work has been completed, provide qualified supervision at the work site during the Working Hours.
- 11.3 The ESCo must have a representative available on a 24-hour basis, during the construction period, to respond to trouble calls and emergencies. During Working Hours, the ESCo's response time for trouble calls during construction of the Improvements must be no more than four (4) hours.
- 11.4 The ESCo's response time for trouble calls after the Completion of Measures to the end of the Contract must not be more than 24 hours.

#### **12. Cleaning Of The Work**

- 12.1 The ESCo must, during the execution and upon completion of the Improvements, clear and clean the Work and its site, and dispose of all hazardous materials, to the satisfaction of Canada, and in accordance with relevant codes and standards.
- 12.2 If removed materials contain PCBs, these must be stored in approved containers provided by Canada, be labelled and marked as directed by Canada, and delivered to Canada for storage.
- 12.3 Removed fluorescent lamps must be recycled and not discarded into garbage or sold, and the cost of the recycling must be borne by the responsibility of Canada.

#### **13. Duties Of The Parties After The Construction Of The Improvements**

- 13.1 After the construction of the Improvements, the ESCo must provide all of the following services and documentation in connection with the Improvements, as agreed between the ESCo and Canada:

- 13.1.1 Except for the lighting systems, all material and labour to effect proper and recommended maintenance of the Improvements, during the warranty period defined in GC 18.
- 13.1.2 Training of the person(s) designated by Canada to receive instruction and training as is necessary to ensure the proper operation and maintenance of the Improvements.
- 13.1.3 A minimum of once every two (2) months, visits to the Facility to ensure that the ESCo's instructions have been followed and, if not, notification to Canada of any irregularities.
- 13.1.4 If the performance of the Improvements falls short of projections, investigate the cause, and issue a notice of irregularity indicating to Canada what action must be taken to rectify the situation and improve performance.
- 13.1.5 Provide Canada with a detailed list of the various counters, meters (i.e. primary and secondary meters, and computer printout readings) to substantiate savings, and describe in detail the calibration procedures and protocols for all such equipment.
- 13.1.6 Review the Operating and Maintenance protocol to ensure the protocols are implemented and to ensure energy savings are achieved.
- 13.1.7 Maintain, fine tune, and revise the Direct Digital Control software used to maintain energy savings.
- 13.1.8 Complete and submit to Canada a regular written report of Energy performance addressing each utility. This report must be on a monthly basis. The report must show at least the following information for the period since the last report:
  - 13.1.8.1 Actual consumption as per existing utility metering reported by Canada, and the ESCo's submeters.
  - 13.1.8.2 Value of weather and any other independent variables, as relevant, for the associated metering period.
  - 13.1.8.3 Baseline Data for the corresponding period, adjusted for independent variables, as relevant.
  - 13.1.8.4 Energy Savings.
  - 13.1.8.5 The reports must show expected savings for the period, based on the Energy Audit Report, adjusted for current weather and other independent variables as relevant.
- 13.1.9 Administer warranties on Canada's behalf for materials or equipment installed as part of the Improvements, for a period of twelve (12) months from the acceptance of Measure (see GC 18).
- 13.1.10 Provide to Canada the manufacturers' warranties on all items installed by the ESCo. Warranties must be provided in a binder.
- 13.2 After the construction of the Improvements, Canada undertakes:
  - 13.2.1 To operate the Improvements and maintain the equipment installed by the ESCo, in the manner prescribed by the ESCo; the equipment to be so maintained by Canada

is all systems including those installed by the ESCo as part of this Contract, except as mentioned in Annex "A" Section 13.1.1.

- 13.2.2 Where the recorded Energy use is greater than projected, and the ESCo has made all necessary investigations, and has advised Canada of any deficiencies with equipment owned and operated by Canada, and Canada has accepted the ESCo's recommendations, to rectify such deficiencies within agreed time frames.
- 13.2.3 To reasonably cooperate with the ESCo in order to optimize the performance of the Improvements including, if necessary, in an information campaign directed at the Tenants of the Facility.
- 13.2.4 To provide the ESCo with the information the ESCo requires if available, concerning results of preventive maintenance, irregularities in Energy consumption, the results of inspections or tests, or other information pertinent to the Improvements that may be requested by the ESCo.
- 13.2.5 To accept and ensure that the Improvements are operated as intended by and agreed with the ESCo.

#### **14. Training**

- 14.1 The ESCo must provide and arrange for all necessary training of facility managers and operating staff to ensure the proper operation of the Measures, to impart the necessary skills identified in the Energy Audit Report, to enable them to operate the systems efficiently.

#### **15. Environmental Conditions**

- 15.1 Any changes to the mechanical systems must be designed to comply with Part II of the Canada Labour Code, Canada Occupational Safety & Health Regulations, the National Building Code of Canada, and Treasury Board Directives on the use and occupancy of buildings, ASHRAE 55-92, ASHRAE 62-2001 and Comfort Conditions as defined in Appendix "A".
- 15.2 The existing environmental conditions and system operating hours are based on the Client Department's program requirements and system capabilities and must be maintained. Any changes to the existing environmental conditions and system operating hours must be submitted to Canada for approval.
- 15.3 Due to the terms of the current collective agreement, occupants may be relocated or sent home due to environmental conditions beyond the range deemed acceptable. Should this occurrence result from the ESCo's work or actions, Canada must notify the ESCo of the costs associated with this occurrence and may charge such costs to the ESCo. These costs must not be charged to the Project Balance.

#### **16. Electrical Power Quality**

- 16.1 The electrical power quality (i.e. total harmonic distortion & power factor) of the building must not deteriorate during the implementation of the Improvements. The ESCo must measure power quality conditions in the presence of Canada, at locations identified by Canada, and must provide a written report, prior to commencement of the Work and at completion of the Work. The ESCo must take measures as required to correct power quality to initial conditions if deviations are noted.

- 16.2 Any costs incurred by Canada through a power factor penalty by the utility as a direct result of the Implementation of the Improvements must be paid for by the ESCo until such time as remedies to correct the power factor back to initial conditions is completed. The ESCo must pay for the costs of such remedies and these costs are eligible to be included in the Project Balance.



## **DETERMINATION OF INVOICES**

The monthly energy savings referred to in the Contract must be determined as described below.

1. The saved Energy units must be determined by comparing the actual energy use and electrical demand for a specified month with that contained in the Baseline Data for the same period of time. The comparison must allow for the impact of differences in heating and cooling degree days on Energy consumption. Canada and the ESCo, by mutual consent, may elect to determine Energy use by calculation rather than by direct comparison with the Baseline Data. In such case, subject to approval by Canada within the Approval Period, the ESCo must perform the necessary calculations in accordance with acceptable engineering principles.
2. The value of Energy Savings must be established by multiplying the calculated Energy Savings by the marginal utility rates established by the Utilities Section of Property Facilities Management in this region for this project, as shown below.
3. The rates at the time of signing of this Contract are:

### **Abercorn**

#### Fuel Oil:

Groupe Energie BDL Inc.

- Fuel Oil Rate \$0.4602/litre

#### Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

#### Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.5222/litre

### **Armstrong**

#### Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW

- Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.6314/litre

**Chartierville**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Parkland Fuel Corporation

- Diesel Oil Rate \$0.5462/litre

**Clarenceville**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

**Covey Hill**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00

- Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

**Hydro Quebec – Public Lighting Rate**

- **Price of Energy \$0.1036/kWh**

Propane:

Propane du Suroit Inc.

- Propane Rate \$0.7215/litre

**Dundee**

Fuel Oil:

Imperial Oil Products & Chemicals Division

- Fuel Oil Rate N/A

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.5019/litre

**East Hereford**

Fuel Oil:

Imperial Oil Products & Chemicals Division

- Fuel Oil Rate \$0.5635/litre

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33

○ Three-phase	\$36.99
Hydro Quebec – Public Lighting Rate	
• Price of Energy	\$0.1036/kWh
<u>Diesel Oil:</u>	
Imperial Oil Products & Chemicals Division	
• Diesel Oil Rate	\$0.5667/litre

**East Pinnacle**

<u>Electricity:</u>	
Hydro Quebec – Rate G	
• System Access Charge (for 30-day period, prorated to exact number of days in consumption period)	\$12.33
• Price of Energy (for 30-day period)	
○ First 15,090 kWh consumed	\$0.0990/kWh
○ Remaining energy consumed	\$0.0762/kWh
• Price of Power (for 30-day period)	
○ First 50 kW consumed	\$0.00
○ Remaining power consumed	\$17.64/kW
• Minimum charge (for 30-day period, if little to no electricity is consumed)	
○ Single-phase	\$12.33
○ Three-phase	\$36.99

<u>Diesel Oil:</u>	
Imperial Oil Products & Chemicals Division	
• Diesel Oil Rate	N/A

**Frelighsburg**

<u>Electricity:</u>	
Hydro Quebec – Rate G	
• System Access Charge (for 30-day period, prorated to exact number of days in consumption period)	\$12.33
• Price of Energy (for 30-day period)	
○ First 15,090 kWh consumed	\$0.0990/kWh
○ Remaining energy consumed	\$0.0762/kWh
• Price of Power (for 30-day period)	
○ First 50 kW consumed	\$0.00
○ Remaining power consumed	\$17.64/kW
• Minimum charge (for 30-day period, if little to no electricity is consumed)	
○ Single-phase	\$12.33
○ Three-phase	\$36.99

<b>Hydro Quebec – Public Lighting Rate</b>	
• <b>Price of Energy</b>	<b>\$0.1036/kWh</b>

<u>Diesel Oil:</u>	
Imperial Oil Products & Chemicals Division	
• Diesel Oil Rate	\$1.2169/litre

**Glen Sutton**

<u>Fuel Oil:</u>	
Imperial Oil Products & Chemicals Division	

- Fuel Oil Rate \$0.4602/litre

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Groupe Energie BDL Inc.

- Diesel Oil Rate \$0.5222/litre

**Hemmingford**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Ultramar

- Diesel Oil Rate \$0.5614/litre

**Herdman**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.5019/litre

**Lacolle 221**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.5614/litre

**Lacolle 223**

Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.5614/litre

**Memphrémagog**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)

- First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

#### Morse's Line

##### Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

##### Propane:

Propane du Suroit Inc.

- Propane Rate \$0.7740/litre

#### Noyan

##### Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

#### Pohénégamook

##### Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

**Quai Richelieu**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

**Saint-Bernard-de-Lacolle (new commercial building only)**

Fuel Oil:

Groupe Energie BDL Inc.

- Fuel Oil Rate \$0.4885/litre

Electricity:

Hydro Quebec – Rate G9

- Price of Energy (for 30-day period) \$0.1008/kWh
- Price of Power (for 30-day period) \$4.23/kW
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Charge for low power factor \$10.35/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Groupe Energie BDL Inc.

- Diesel Oil Rate \$0.6318/litre

**Saint-Pamphile**

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)



- Single-phase \$12.33
- Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.6671/litre

**Stanhope**

Fuel Oil:

Imperial Oil Products & Chemicals Division

- Fuel Oil Rate N/A

Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Ultramar

- Diesel Oil Rate \$0.9561/litre

**Stanstead 143**

Fuel Oil:

Imperial Oil Products & Chemicals Division

- Fuel Oil Rate \$0.4863/litre

Electricity:

Hydro Quebec – Rate G

- System Access Charge (for 30-day period, prorated to exact number of days in consumption period) \$12.33
- Price of Energy (for 30-day period)
  - First 15,090 kWh consumed \$0.0990/kWh
  - Remaining energy consumed \$0.0762/kWh
- Price of Power (for 30-day period)
  - First 50 kW consumed \$0.00
  - Remaining power consumed \$17.64/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Groupe Energie BDL Inc.

- Diesel Oil Rate \$0.6099/litre

**Stanstead 247 (Beebe)**

Fuel Oil:

Imperial Oil Products & Chemicals Division

- Fuel Oil Rate \$0.6099/litre

Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Groupe Energie BDL Inc.

- Diesel Oil Rate \$0.9063/litre

**Stanstead 55**

Fuel Oil:

Groupe Energie BDL Inc.

- Fuel Oil Rate \$0.4863/litre

Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.6099/litre

**Trout River**

Electricity:

Hydro Quebec – Rate M

- Price of Energy (for 30-day period)
  - First 210,000 kWh consumed \$0.0503/kWh
  - Remaining energy consumed \$0.0373/kWh
- Price of Power (for 30-day period) \$14.58/kWh
- Credit for supply at medium or high voltage
  - Voltage of 5 kV to less than 15 kV \$0.612/kW
  - Voltage of 15 kV to less than 50 kV \$0.981/kW
  - Voltage of 50 kV to less than 80 kV \$2.190/kW
  - Voltage of 80 kV to less than 170 kV \$2.679/kW
  - Voltage of 170 kV or more \$3.540/kW
- Adjustment for transformation losses \$17.76/kW
- Minimum charge (for 30-day period, if little to no electricity is consumed)
  - Single-phase \$12.33
  - Three-phase \$36.99

Diesel Oil:

Imperial Oil Products & Chemicals Division

- Diesel Oil Rate \$0.5019/litre

These rates, in future, must depend on the actual saving in utility costs to the Department. These rates will not be reduced from the above figures.