



<p>RETURN BIDS TO: RETOURNER LES SOUMISSIONS À:</p> <p>Bid Receiving - Environment Canada / Réception des soumissions – Environnement Canada</p> <p>BID SOLICITATION DEMANDE DE SOUMISSIONS</p> <p>PROPOSAL TO: ENVIRONMENT CANADA</p> <p>We offer to perform or provide to Canada the services detailed in the document including any attachments and annexes, in accordance with the terms and conditions set out or referred to in the document, at the price(s) provided.</p> <p>SOUMISSION À: ENVIRONNEMENT CANADA</p> <p>Nous offrons d'effectuer ou de fournir au Canada, aux conditions énoncées ou incluses par référence dans le document incluant toutes pièces jointes et annexes, les services détaillés dans le document, au(x) prix indiqué(s).</p>	<p>Title – Titre Power House Maintenance requirements for generators, switchgear and Heat Recovery systems Eureka Weather Station, Nunavut</p>	
	<p>EC Bid Solicitation No. /SAP No. – N° de la demande de soumissions EC / N° SAP K4E21-16-0003</p>	
	<p>Date of Bid solicitation (2016-07-15) – Date de la demande de soumissions (2016-07-15)</p>	
	<p>Bid Solicitation Closes (2016-09-12) - La demande de soumissions prend fin (2016-09-12)</p> <p>at – à 2:00 P.M. on – le</p>	<p>Time Zone – Fuseau horaire</p> <p><i>Mountain</i></p>
	<p>F.O.B – F.A.B: Eureka, Nunavut</p>	
	<p>Address Enquiries to - Adresser toutes questions à Environment Canada and Climate Change, Attention: Cyndi Ryan Regional Manager, Contracting & Finance Directorate, 9250 – 49 Street NW Edmonton, Alberta T6B 1K5</p>	
	<p>Telephone No. – N° de téléphone 780-951-8659</p>	<p>Fax No. – N° de Fax 780-495-5097</p>
	<p>Delivery Required (2016-10-30) – Livraison exigée (2016-10-30)</p>	
	<p>Destination - of Services / Destination des services Environment & Climate Change Canada, Eureka, Nunavut</p>	
	<p>Security / Sécurité <i>As per Annex C (included) The successful bidder must pass the provisions of the form included in this Annex</i></p>	
<p>Vendor/Firm Name and Address - Raison sociale et adresse du fournisseur/de l'entrepreneur</p>		
<p>Telephone No. – N° de téléphone</p>	<p>Fax No. – N° de Fax</p>	

	<p>Name and title of person authorized to sign on behalf of Vendor/Firm: (type or print) / Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</p>
	<p style="text-align: center;">Signature Date</p>

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PART 1 – GENERAL INFORMATION

1. Security Requirement

1.1 The following security requirement (SRCL and related clauses) applies and form part of the Contract. See Annex C.

“The Contractor is liable for any damage caused by the Contractor, its employees, subcontractors, or agents to Canada or any third party. Canada is liable for any damage caused by Canada, its employees or agents to the Contractor or any third party. The Parties agree that no limitation of liability or indemnity provision applies to the Contract unless it is specifically incorporated in full text in the Articles of Agreement. Damage includes any injury to persons (including injury resulting in death) or loss of or damage to property (including real property) caused as a result of or during the performance of the Contract.”

2. Statement of Work

The Contractor must perform the Work as follows: See Annex A

3. Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

PART 2 – BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the PWGSC *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The standard instructions 2003 are modified as follows:

Under “Text” at 02:

Delete: “Procurement Business Number”

Insert: “Deleted”

At Section 02 Procurement Business Number

Delete: In its entirety

Insert: "Deleted"

At Section 05 Submission of Bids, Subsection 05 (2d):

Delete: In its entirety

Insert: "send its bid only to Environment Canada (EC) as specified on page 1 of the bid solicitation or to the address specified in the bid solicitation;"

At Section 06 Late Bids:

Delete: "PWGSC"

Insert: "Environment Canada"

At Section 07 Delayed Bids:

Delete: "PWGSC"

Insert: "Environment Canada"

At Section 08 Transmission by Facsimile, Subsection 08 (1):

Delete: In its entirety

Insert: "Bids may be submitted by facsimile if specified in the bid solicitation."

At Section 12 Rejection of Bid, Subsection 12 (1) a. and b.:

Delete: In their entirety

Insert: "Deleted"

At Section 17 Joint Venture, Subsection 17 (1) b.:

Delete: "the Procurement Business Number of each member of the joint venture,"

Insert: "Deleted"

At Section 20 Further Information, Subsection 20 (2):

Delete: In its entirety

Insert: "Deleted"

2. Submission of Bids

2.1 Bids must be submitted to Environment Canada (EC) at the address and by the date, time and place indicated on page 1 of the bid solicitation.

2.2 Bids may be transmitted by facsimile to Carl Bathgate at: 780-495-5097.

3. Former Public Servant – Competitive Bid

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within

which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

Definitions

For the purposes of this clause, "former public servant" is any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c.P-36, and any increases paid pursuant to the *Supplementary Retirement Benefits Act*, R.S., 1985, c.S-24 as it affects the PSSA. It does not include pensions payable pursuant to the *Canadian Forces Superannuation Act*, R.S., 1985, c.C-17, the *Defence Services Pension Continuation Act*, 1970, c.D-3, the *Royal Canadian Mounted Police Pension Continuation Act*, 1970, c.R-10, and the *Royal Canadian Mounted Police Superannuation Act*, R.S., 1985, c.R-11, the *Members of Parliament Retiring Allowances Act*, R.S., 1985, c.M-5, and that portion of pension payable to the *Canada Pension Plan Act*, R.S., 1985, c.C-8.

Former Public Servant in Receipt of a Pension

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes** () **No** ()

If so, the Bidder must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2012-2 and the Guidelines on the Proactive Disclosure of Contracts.

Work Force Adjustment Directive

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes** () **No** ()

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

For all contracts awarded during the lump sum payment period, the total amount of fees that may be paid to a FPS who received a lump sum payment is \$5,000, including Applicable Taxes.

4. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 14 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated and the enquiry can be answered to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

5. Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in the Territory of Nunavut.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or

territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the bidders.

6. Basis for Canada's Ownership of Intellectual Property

Environment Canada has determined that any intellectual property rights arising from the performance of the Work under the resulting contract will belong to Canada, on the following grounds:

- (6.5) where the material developed or produced consists of material subject to copyright, with the exception of computer software and all documentation pertaining to that software.

PART 3 – BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

Canada requests that bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid 1 hard copy or 1 soft copy in PDF format, *such as CD, DVD*

Section II: Financial Bid 1 hard copy or 1 soft copy in PDF format, *such as CD, DVD*

Section III: Certification (1 hard copy)

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders; and
- (3) print on both sides of the paper.

Section I: Technical Bid

In their technical bid, bidders should demonstrate their understanding of the requirements contained in the bid solicitation and explain how they will carry out the Work

Section II: Financial Bid

1. Bidders must submit their financial bid in accordance in accordance with the Basis of Payment in Annex B. The total amount of Applicable Taxes must be shown separately.

1.1 Price Breakdown

In their financial bid, the bidders are requested to provide a detailed breakdown of the price for the following, as applicable:

- (a) Professional fees: For each individual and (or) labour category to be assigned to the Work, the bidders should indicate: i) the firm hourly rate or the firm daily rate, inclusive of overhead and profit; and ii) the estimated number of hours or days, as applicable. The bidders should indicate the number of hours in one working day.
- (b) Equipment (if applicable): The bidders should specify each item required to complete the Work and provide the pricing basis of each one, Canadian customs duty and excise taxes included, as applicable. "These items will be deliverable to Canada upon completion of the contract."
- (c) Materials and Supplies (if applicable): The bidders should identify each category of materials and supplies required to complete the Work and provide the pricing basis. The Bidder should indicate, on a per category basis, whether the items are likely to be consumed during the performance of any resulting contract.
- (d) Travel and Living Expenses (if applicable): The bidders should indicate the number of trips and the number of days for each trip, the cost, destination and purpose of each journey, together with the basis of these costs without exceeding the meal, private vehicle and incidental expenses provided in Appendices B, C and D of the *National Joint Council Travel Directive* and with the other provisions of the directive referring to "travellers", rather than those referring to "employees".
- (e) Subcontracts (if applicable): The bidders should identify all of the proposed subcontractors and provide in their financial bid for each one a price breakdown.
- (f) Other Direct Charges (if applicable): The bidders should identify all of the categories of other direct charges anticipated, such as long distance communications and rentals, providing the pricing basis for each and explaining the relevance to the work described in the resultant contract in part 6 of the bid solicitation.
- (g) Applicable Taxes: The bidders should indicate the Applicable Taxes separately.

- 1.2 Bidders should include the following information in their financial bid:

- (a) Their legal name; and
- (b) The name of the contact person (including this person's mailing address, phone and facsimile numbers and email address) authorized by the Bidder to enter into communications with Canada with regards to their bid; and any contract that may result from their bid.

Section III - Certifications

1. Certifications Required Precedent to Contract Award

Bidders must provide the required certifications Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical *and financial* evaluation criteria. Also, see requirement for inclusion of Certifications in Part 5, following.

1.1 Technical Evaluation

Except where expressly provided otherwise, the experience described in the bid must be the experience of the Bidder itself (which includes the experience of any companies that formed the Bidder by way of a merger but does not include any experience acquired through a purchase of assets or an assignment of contract). The experience of the Bidder's affiliates (i.e. parent, subsidiary or sister corporations), subcontractors, or suppliers will not be considered.

1.2 Technical Evaluation

1.2.1 Mandatory Technical Criteria

If any of the criteria in Section A are not met, the bid will automatically be rejected.

A) Mandatory requirements

		Compliant	Non-Compliant
1)	Certification of employees		
	Bidders must provide proof of certifications issued by the Authority of Territory/Province, in the following categories: Certified heavy equipment technician Certified Electrician Certified Plumber		
2)	Security form		
	The <i>Personnel Screening, Consent and Authorization Form</i> (TBS 330-23) must be duly completed and submitted to the Contracting Authority at the work site visit.		
3)	Resumes		
	Bidders must provide resumes of those employees that would be assigned to maintenance contract.		
4)	Provincial Workers' Compensation Boards		

	Bidders must provide proof of coverage for workers' compensation in the federal, provincial or territorial jurisdictions.		
5)	Ability to perform the work		
	Bidders must provide proof of experiences with references in each categories: Prime power generators, Cogeneration and/or heat recovery systems, Maintaining and Repairing equipment in Arctic.		

1.2.2 Point Rated Technical Criteria

The technical evaluation is based on the following.

B) Technical score

		Points
1)	Understanding of the mandate	
	<ul style="list-style-type: none"> Knowledge of the context and understanding of the scope of the work (10 points) 	___ /10
2)	Firm's experience in the last 5 years	
	<ul style="list-style-type: none"> 5 years of experience in maintaining and repairing prime power generators (5 points) 5 years of experience in maintaining and repairing cogeneration and/or heat recovery systems (5 points) 5 years of experience in maintaining and repairing electrical switchgear and apparatus (5 points) 5 years of experience in maintaining and repairing equipment in Arctic (5 points) 	___ /20
	<input type="checkbox"/> 3 years = 5 points <input type="checkbox"/> 1 to 3 years = 3 points <input type="checkbox"/> 1 year = 1 points	
	List projects of a similar scope, as well as the names and contact information of references.	
3)	Experience in the last 10 years of Employee #1 assigned to the project	
	<ul style="list-style-type: none"> 10 years of experience in maintaining and repairing prime power generators (5 points) 10 years of experience in maintaining and repairing cogeneration and/or heat recovery systems (5 points) 10 years of experience in maintaining and repairing electrical 	___ /20

	switchgear and apparatus (5 points)	
	<ul style="list-style-type: none"> • 10 years of experience in maintaining and repairing equipment in Arctic (5 points) 	
	<input type="checkbox"/> 10 years = 5 points 5 to 10 years = 3 points <input type="checkbox"/> 5 year = 2 points	
4)	Experience in the last 5 years of Employee #2 assigned to the project	
	<ul style="list-style-type: none"> • 5 years of experience in maintaining and repairing prime power generators (3 points) 	___/12
	<ul style="list-style-type: none"> • 5 years of experience in maintaining and repairing cogeneration and/or heat recovery systems (3 points) 	
	<ul style="list-style-type: none"> • 5 years of experience in maintaining and repairing electrical switchgear and apparatus (3 points) 	
	<ul style="list-style-type: none"> • 5 years of experience in maintaining and repairing equipment in Arctic (3 points) 	
	<input type="checkbox"/> 5 years = 3 points 2 to 5 years = 2 points <input type="checkbox"/> 2 year = 1 point	
5)	Delay for “emergency” (major failure of the Power House) service call	
	Duration between a call and the beginning of service on site with ideal weather conditions. Include a summary of the plan for transportation. Plan with delay less than 12 hours, 15 points, Plan with delay less than 24 hours, 8 points,	___/15
6)	Preference for Northern based companies close to Eureka, NU	
	Head office or shop with description, location and address. Located in Nunavut, northern than latitude 68°N (ex. Cambridge Bay, Resolute) 15 pts. Located in Nunavut, northern than latitude 63°N, eastern of 110°W (ex. Iqaluit) 9 pts. Located northern than latitude 60° (ex. Yellowknife, NWT) 5 points.	___/23
	List of clients in the Arctic area. Each client located less than 1500 km from Eureka, NU gives one point, max 8 points.	
	Total technical score (___/100 points)	

A minimum technical score of 60 points out of 100 is required for a bid to be responsive.

1.3 Financial Evaluation

1.3.1 Mandatory Financial Criteria

Hourly Rates:

Provide hourly rates for the following personnel for any optional additional work not in the Contract and requested by Environment & Climate Change Canada during the 2-year maintenance contract (with a possible additional two option years). **All individuals shall be System Manufacturer certified.** All trade people shall have Journeyman status and Engineers shall have Professional status registered in the Territory of Nunavut. The rates shall be for years 1 to year 5 (optional). See "Certifications" in Part 5 for details.

- a) Heavy Duty Mechanic, up to a maximum of 200 hours/yr
- b) Generator Technician, up to a maximum of 200 hours/yr
- c) Electrician, up to a maximum of 200 hours/yr
- d) Controls Technician, up to a maximum of 200 hours/yr
- e) Mechanical Engineer, up to a maximum of 100 hours/yr
- f) Electrical Engineer, up to a maximum of 100 hours/yr
- g) Welder, up to a maximum of 200 hours/yr
- h) Millwright/Pipe Fitter, up to a maximum of 200 hours/yr

Provide a lump sum for one complete inspection and assessment, in 2017, of all existing power lines and power distribution equipment in the Weather Stations and all buildings in the outlying areas and percentage 15% mark-up of all related disbursements, purchases and rentals. The inspection group shall be capable of providing soft and hardware equipment to support an electrical preventative maintenance program.

Unit prices herein are firm for years 1-2 inclusive. Unit Prices for option years 3 – 5 inclusive will be subject to escalation on a yearly basis and in accordance with the Consumer Pricing Index in the event quoted prices cannot adequately cover costs. Contractor is to provide written notification to the Contracting Authority of a price increase/decrease within 180 calendar days prior to the expiry date based on the following schedule.

For year 3 - Provide notice of Price Revision by March 14, 2020

For year 4 - Provide notice of Price Revision by March 14, 2021

For year 5 - Provide notice of Price Revision by March 14, 2022

Upon review and acceptance of all price revisions by the Contracting Authority, an amendment will be issued to the contract.

If specialized work is requested by the Departmental Representative on a "Lot" basis due to unforeseen circumstances outside of the specific scope of this contract, a quote prior to the commencement of work will be provided and will include Unit Prices inclusive of labor, tradesmen, travel and living costs, shipment of tools and personal protective equipment to and from site. The cost of materials and shipment of materials are not included.

Periodic maintenance items:

Item	Description	Unit of Issue	Unit Price	Unit Price	Unit Price	Unit Price

			2016/2017	2017/2018	2018/2019	2019/2020
1	5,000 hour minor maintenance on yearly basis on one out of three generators according to hour meters.	Lot				
2	10,000 hour major maintenance on yearly basis on one out of three generators according to hour meters.	Lot				
3	Entire Switchgear maintenance to be performed every 4 year. Indicate specific year to be performed based on current schedule	Lot				
4	Heat Recovery System maintenance to be performed every 4 year for all three generators and rest of heat recovery system. Indicate specific year to be performed based on current schedule	Lot				
5	Muffler & Exhaust System cleaning on yearly basis for all three generators.	Lot				
6	Lump sum for one complete inspection and assessment of all existing power lines and power distribution	Lot				

	equipment. To be performed in 2017.					
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1.1. Labor rate for field work in addition to Items 1-5 above:

Item	Description	Unit of Issue	Unit Price 2016/2017	Unit Price 2017/2018	Unit Price 2018/2019	Unit Price 2019/2020
A	Certified Heavy Duty Mechanic Hours on station at 9 hour days, seven days per week	Hr				
B	Certified Generator Technician. Hours on station at 9 hour days, seven days per week	Hr				
C	Certified Electricians. Hours on station at 9 hour days, seven days per week	Hr				
D	Certified Controls Technician. Hours on station at 9 hour days, seven days per week	Hr				
E	Mechanical Engineers. Hours on station at 9 hour days, seven days per week	Hr				
F	Electrical Engineers. Hours on station at 9 hour days,	Hr				

	seven days per week					
G	Welder Hours on station at 9 hour days, seven days per week	Hr				
H	Millwright/Pipe Fitter Hours on station at 9 hour days, seven days per week	Hr				
I	Travel Hours between Supplier's headquarters and Eureka.	Hr				
J	Material and/or Supplies at Contractor's cost plus a mark-up of :	Rate	15% Maximum	15% Maximum	15% Maximum	15% Maximum
K	Travel and enroute costs between Supplier's plant to site and return.	Trip				

*The Contractor will be charged for living costs according to the attached Eureka Weather Station User Charges schedule of fees at the Public Rate. These fees must be included in lot price of items #1, 2, 3, and 4 above. ECCC will NOT cover all living costs while on site in Eureka. All bids must include this factor.

**Eureka Weather Station
User Charges
April 01, 2016 – March 31, 2017**

Public Rate

Meals

Breakfast
Lunch
Dinner

55.00
55.00
120.00

Accommodations

Per Bed per Night	250.00
Comprehensive Daily Charge	480.00
Daily Station Usage Fee (Shower & Laundry) per person if not staying at station	25.00
Hydro per KWH	1.20
Drum Handling Fee	150.00
Labour Per Hour (3 hour minimum may apply)	155.00
Vehicle per hour including driver	
Light Wheeled Vehicle (Transportation to or from airstrip - 1 hour minimum either way)	150.00
Grader	230.00
Front End Loader	230.00
Crane	250.00
Telehandler	250.00
Bull Dozer	270.00
Aircraft Movements (each per landing or take off)	
Light Aircraft	140.00
Heavy Aircraft	415.00
Diesel & Mo Gas (per litre)	6.00

Miscellaneous:

Environment & Climate Change Canada will reserve the right to have work completed on a lot or hourly basis. When work is requested on a lot basis and additional work becomes necessary, the additional work shall be performed on an hourly basis plus the applicable charges for parts and freight. Where the additional works result in transportation delays which result in additional travel cost these will be paid by Environment & Climate Change Canada when authorized in advance and when supported by documentation received from the contractor authority. When the Supplier's personnel are delayed in Eureka after their work is completed, Environment & Climate Change Canada will compensate the Supplier to a maximum of nine (9) hours pay for each calendar day.

ECCC reserves the right to purchase materials and supplies directly from suppliers if/when required.

1.3.2 Evaluation of Price:

The price of the bid will be evaluated in Canadian dollars, the Applicable Taxes excluded, Canadian customs and excise taxes included.

For evaluation purposes only, the price of the bid will be determined as follows:

Total sum of all fields in "Periodic Maintenance Items" table for all years. Bidders must fill out all fields of this table to be deemed financially compliant to this bid.

2. Basis of Selection

- (a) Meet All Mandatory Requirements including submitting copies of all certifications.
- (b) To be declared responsive, a bid must:
 - (i) comply with all the requirements of the bid solicitation; and
 - (ii) meet all mandatory technical evaluation criteria; and
 - (iii) "obtain the required minimum of **60** points overall for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 100 points."
- (c) Bids not meeting (i) or (ii) or (iii) will be declared non-responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

C) Calculation grid

- 1) The technical evaluation is weighted at 70%.
- 2) The price is weighted at 30%.
- 3) The proposal obtaining the highest technical evaluation shall be awarded 70 points; all other proposals deemed acceptable shall be prorated.
- 4) The lowest technically eligible financial proposal shall be awarded 30 points; all other technically eligible proposals shall be prorated.
- 5) The sum of the technical and financial scores is used to determine the final score. The contract will be awarded to the firm obtaining the highest overall score. Where several bids are equal, the one with the highest technical rating will be selected.

6) Example	Proposal 1	Proposal 2	Proposal 3
Technical evaluation	90%	81%	72%
Price	\$66,000	\$55,000	\$44,000
Technical score	70 pts	$81 \times 70 = 63$ pts /90	$72 \times 70 = 56$ pts / 90
Financial score	$44 \times 30 = 20$ pts /66	$44 \times 30 = 24$ pts /55	30 pts
Final score	90 pts	87 pts	86 pts

Firm selected: Proposal 1 (90 pts)

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated information to be awarded a contract.

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

1.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

2. Additional Certifications Required Precedent to Contract Award

All individuals shall be System Manufacturer certified. All trade people shall have Journeyman status and Engineers have Professional status registered in the Territory of Nunavut.

The certifications listed below should be completed and submitted with the bid but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

1. Minimum insurance of 2 million dollars.
2. Workman's Compensation Certification in good standing
3. Certification of staff to perform duties according to expertise. See Item "1.2 Labor rate for field work" for specific trades requiring included certificates.

- a) Heavy Duty Mechanic, up to a maximum of 200 hours/yr
- b) Generator Technician, up to a maximum of 200 hours/yr
- c) Electrician, up to a maximum of 200 hours/yr
- d) Controls Technician, up to a maximum of 200 hours/yr
- e) Mechanical Engineer, up to a maximum of 100 hours/yr
- f) Electrical Engineer, up to a maximum of 100 hours/yr
- g) Welder, up to a maximum of 200 hours/yr
- h) Millwright/Pipe Fitter, up to a maximum of 200 hours/yr

2.1 Status and Availability of Resources

The Bidder certifies that, should it be awarded a contract as a result of the bid solicitation, every individual proposed in its bid will be available to perform the Work as required by Canada's representatives and at the time specified in the bid solicitation or agreed to with Canada's representatives. If for reasons beyond its control, the Bidder is unable to provide the services of an individual named in its bid, the Bidder may propose a substitute with similar qualifications and experience. The Bidder must advise the Contracting Authority of the reason for the substitution and provide the name, qualifications and experience of the proposed replacement. For the purposes of this clause, only the following reasons will be considered as beyond the control of the Bidder: death, sickness, maternity and parental leave, retirement, resignation, dismissal for cause or termination of an agreement for default.

If the Bidder has proposed any individual who is not an employee of the Bidder, the Bidder certifies that it has the permission from that individual to propose his/her services in relation to the Work to be performed and to submit his/her résumé to Canada. The Bidder must, upon request from the Contracting Authority, provide a written confirmation, signed by the individual, of the permission given to the Bidder and of his/her availability. Failure to comply with the request may result in the bid being declared non-responsive.

2.3 Rate or Price Certification

3. Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

PART 6 - RESULTING CONTRACT

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation:

Title: Power House Maintenance requirements for generators, switchgear and Heat Recovery systems Eureka Weather Station, Nunavut

1. Security Requirement

- 1.1 The following security requirement (SRCL and related clauses) applies and form part of the Contract.

2. Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the PWGSC *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010B, General Conditions - Professional Services (Medium Complexity), as modified below, apply to and form part of the Contract.

General conditions 2010B is modified as follows:

At Section 12 Transportation Costs

Delete: In its entirety

Insert: "Deleted"

At Section 13 Transportation Carriers" Liability

Delete: In its entirety.

Insert: "Deleted"

At Section 18, Confidentiality:

Delete: In its entirety

Insert: "Deleted"

The following security requirement (SRCL and related clauses) applies and form part of the Contract.

"35 Liability" "The Contractor is liable for any damage caused by the Contractor, its employees, subcontractors, or agents to Canada or any third party. Canada is liable for any damage caused by Canada, its employees or agents to the Contractor or any third party. The Parties agree that no limitation of liability or indemnity provision applies to the Contract unless it is specifically incorporated in full text in the Articles of Agreement. Damage includes any injury to persons (including injury resulting in death) or loss of or damage to property (including real property) caused as a result of or during the performance of the Contract."

A. For professional services requirements where the deliverables are copyrightable works:

Canada to own Intellectual Property rights in Copyright

1. In this section:

"Material" means anything that is created or developed by the Contractor as part of the Work under the Contract, and in which copyright subsists.

"Background Information" means all Intellectual Property that is not Foreground Information that is incorporated into the Work or necessary for the performance of the Work and that is proprietary to or the

confidential information of the Contractor, its subcontractors or any other third party;

"Foreground Information" means all Intellectual Property first conceived, developed, produced or reduced to practice as part of the Work under the Contract;

2. Material that is created or developed by the Contractor as part of the Work under the Contract belongs to Canada. The Contractor must incorporate the copyright symbol and either of the following notices, as appropriate: © Her Majesty the Queen in right of Canada (year) or © Sa Majesté la Reine du chef du Canada (année).
3. At the request of the Contracting Authority, the Contractor must provide to Canada, at the completion of the Work or at such other time as the Contracting Authority may require, a written permanent waiver of moral rights as defined in the *Copyright Act*, R.S., 1985, c. C-42, in a form acceptable to the Contracting Authority, from every author that contributed to the Work. If the Contractor is an author, the Contractor permanently waives the Contractor's moral rights.
4. All Intellectual Property Rights in the Material belongs to Canada as soon as they come into existence. The Contractor has no right in or to any such Intellectual Property except any right that may be granted in writing by Canada.
5. The Contractor also grants to Canada a non-exclusive, perpetual, irrevocable, worldwide, fully-paid and royalty-free license to use the Background Information to the extent that this information is required by Canada to exercise its rights to use the Material. This license cannot be restricted in any way by the Contractor providing any form of notice to the contrary, including the wording on any shrink-wrapped license attached to any deliverable.

At Section 06 Subcontracts: "The Contractor may subcontract the supply of goods or services that are customarily subcontracted by the Contractor. Subcontracting does not relieve the Contractor from any of its obligations under the Contract or impose any liability upon Canada to a subcontractor. In any subcontract, the Contractor agrees to bind the subcontractor by the same conditions by which the Contractor is bound under the Contract, unless the Contracting Authority agrees otherwise, with the exception of requirements under the Federal Contractors Program for employment equity which only apply to the Contractor."

4. Term of Contract

4.1 Period of the Contract

The period of the Contract is from date of Contract to 31 March 2019 inclusive.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Cyndi Ryan

Title: Regional Manager
Environment Canada
Procurement and Contracting
Address: 9250 – 49 Street, NW
Edmonton, Alberta T6B 1K5

Telephone: 780-951-8659
Facsimile: 780-495-5097
E-mail address: cyndi.ryan@canada.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6. Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a Public Service Superannuation Act (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with Contracting Policy Notice: 2012-2 of the Treasury Board Secretariat of Canada.

7. Payment

7.1 Basis of Payment

11. Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) Modified 2010B General Conditions
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Security Requirements Check List;
- (f) the Contractor's bid dated _____,

ANNEX A

STATEMENT OF WORK

1. Background: The Objective of this Contract is to supply services and materials for the maintenance of the powerhouses at the Eureka, Nunavut Weather Station.

- 1.1. Work comprises of services and materials to supply of a 2-year maintenance contract with optional 2 additional years.

- 1.2. Eureka Weather Station is located on the north side of Slidre Fjord, at the northwestern tip of Fosheim Peninsula, Ellesmere Island. The location coordinates are 79° 59' 41" N and 85° 48' 48" W and is accessed primarily by air with an all season air strip located about 1.5 km northeast of the site. An annual sea lift provides the area with a majority of the bulk goods and supplies since it is covered with ice most of the year. The site consists of the Weather Station and the outlying areas (the Airstrip, Skull Point DND, Fort Eureka DND and AStrO Lab) within the radius of 15 kilometers.

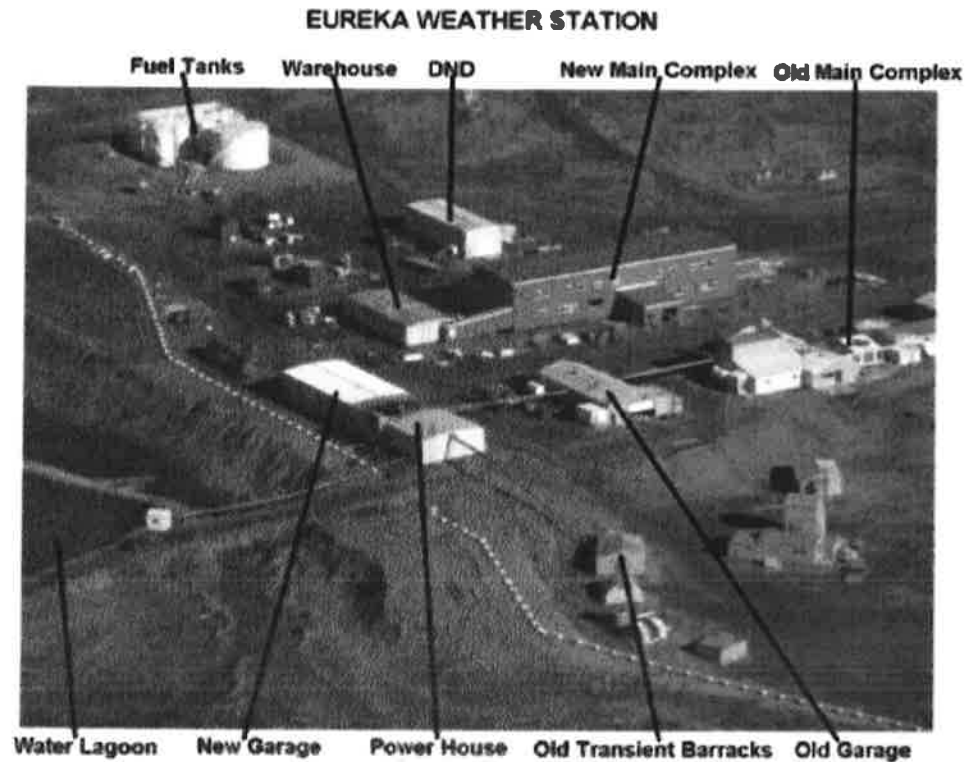


Photo 1 - Aerial View of the Weather Station

- 1.3. There are three 410 kW prime generators. At least one out of three is running all the time. These three main generators are the sole main Power House of all Eureka buildings. See spec sheet and serial numbers in the annex. The other various and smaller standby generators across the site are for minimal support. Site operation will be jeopardized without the power from the Power House. Complete shutdown of the Power House is not permitted. For reference, in the case of Power House failure of more than 6 hours, the emergency plan would take place and evacuation would be necessary, weather permitting.

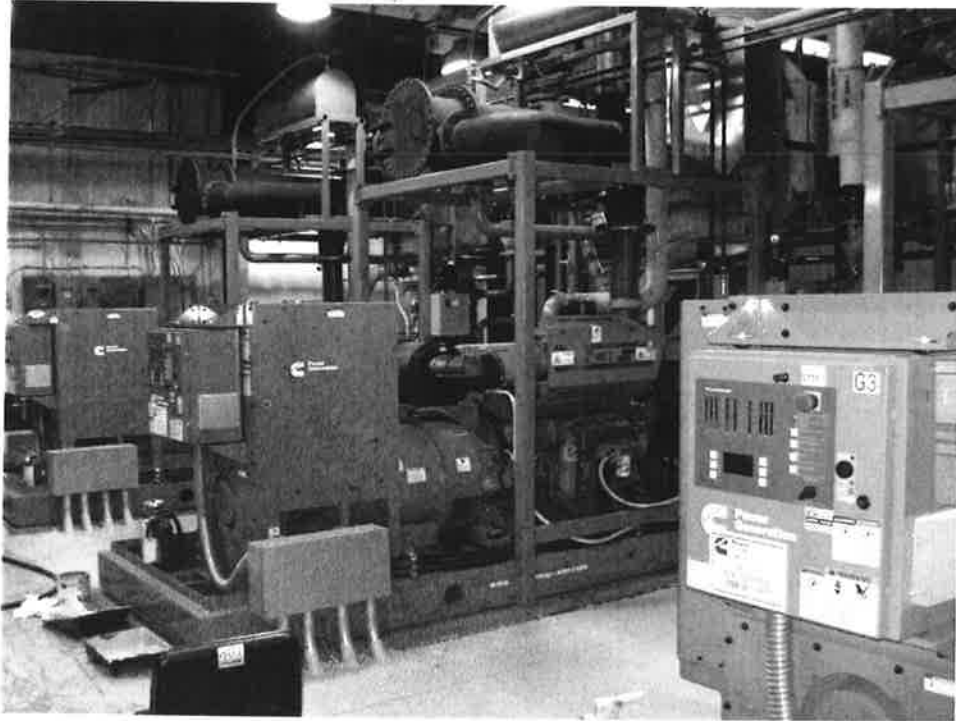


Photo 2 – Generators (installed in 2008)

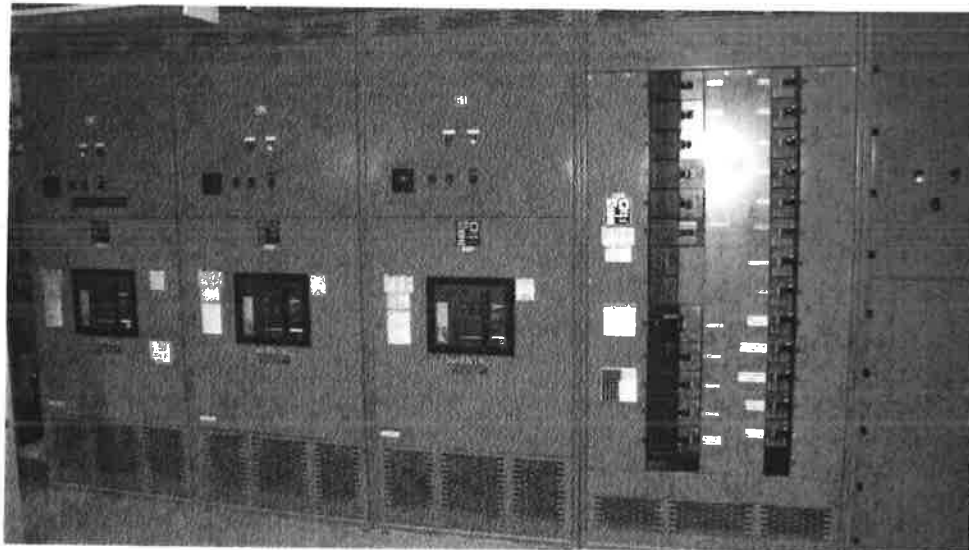


Photo 3 – Main Switchgear (installed in 2008)

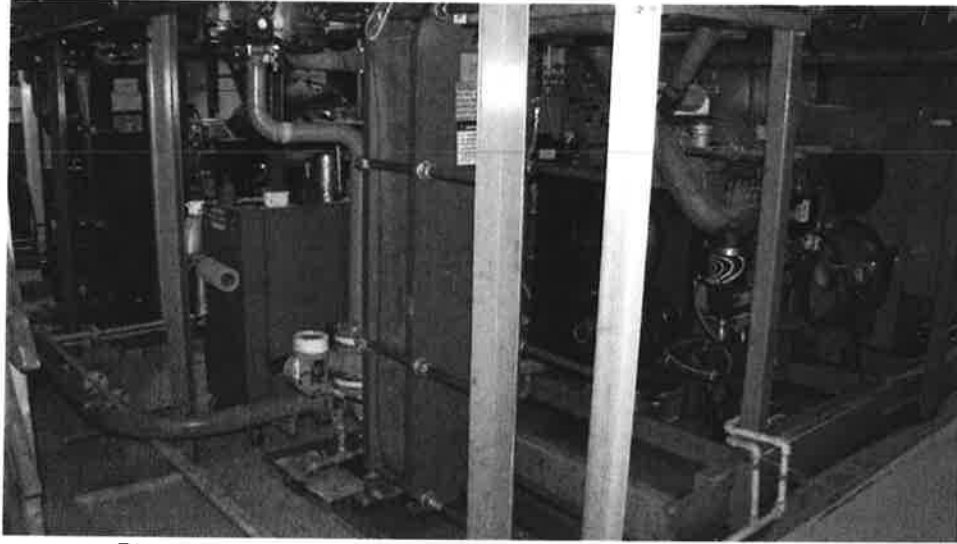


Photo 4 – Jacket Coolant Heat exchangers (installed in 2008)

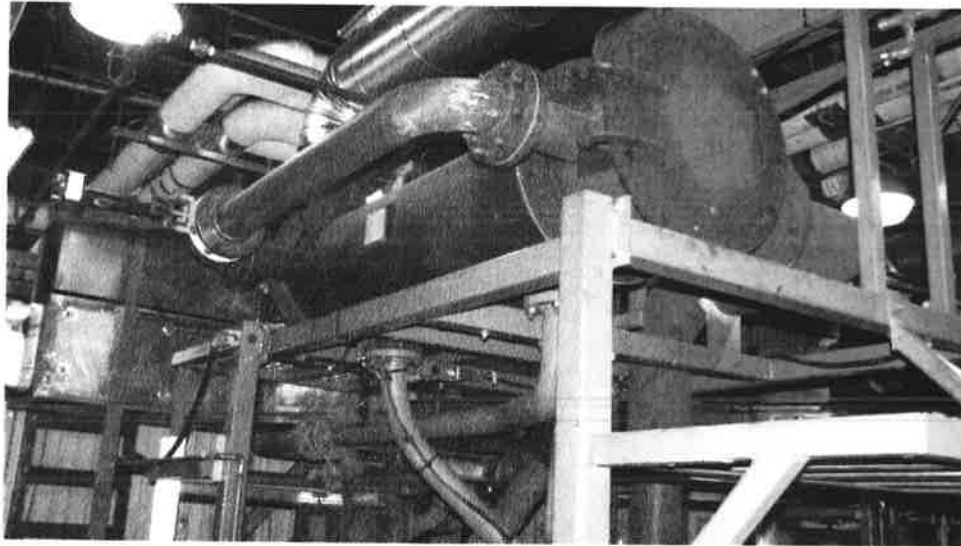


Photo5 – One of the three Exhaust Heat Exchangers

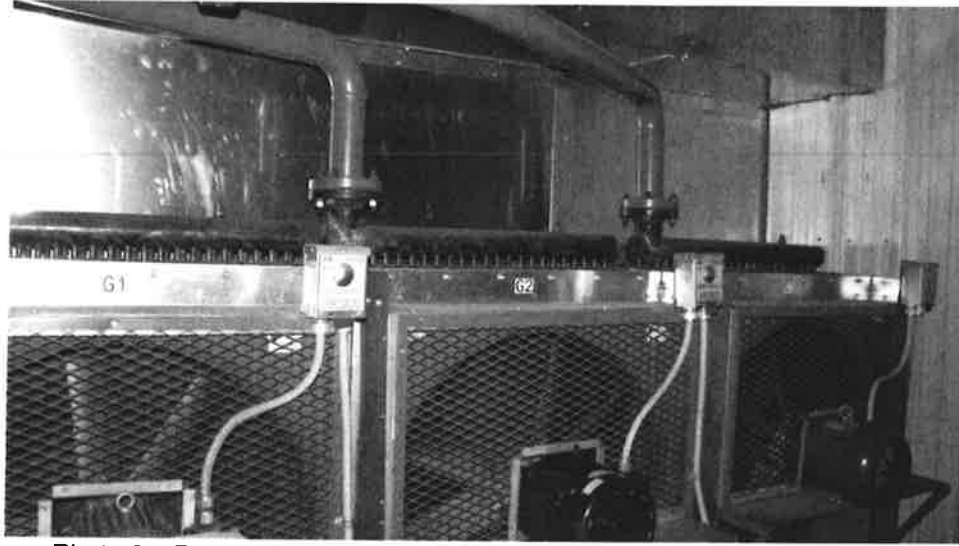


Photo 6 – Dump radiators for heat rejection in summer (installed in 2008)

2. Period of contract

- 2.1. The period of contract is for four (2) years plus two (2) optional individual years. The contract is effective September 15, 2016 to September 14, 2020 inclusive. The two separate optional years are effective:
September 15, 2020 to September 14, 2021 inclusive.
September 15, 2021 to September 14, 2022 inclusive.

3. Maintenance Requirements

- 3.1. Provide a 5-year Maintenance Contract including labor, equipment, tools, transportation and supervision necessary for the preventative and corrective maintenance on the generator system, switchgear, heat recovery systems, Muffler & Exhaust System on behalf of Environment & Climate Change Canada, Eureka, Nunavut. The work specified below is the basic requirement and should not restrict any additional work required to suit the manufacturer recommendations and maintain a trouble free operation.
- 3.2. Work specified for each system maybe scheduled together with other systems work described herein provided it meets Environment & Climate Change Canada approval. Coordinate work with Environment & Climate Change Canada on-site, usually the best timeframe is October and May.
- 3.3. **Compliance with Safe Work Practices & Health and Safety Policies** (In compliance with the Canada Labor Code, Part II)

The Contractor/Consultant must meet or exceed safe working policies. The Contractor/Consultant shall reference and utilize all applicable Health and Safety Policies and Procedures including, but not limited to, Hot Work Permits, Hot Tap Permits and Lock-Out and Tag-Out Policy in carrying out their work on site.

The Contractor/Consultant shall comply with all statutes, codes, regulations and by-laws applicable and where necessary, shall review with those public authorities having jurisdiction in order that the consents, approvals, licenses and permits required for the project may be applied for and obtained.

The Contractor/Consultant shall comply with the provincial/territorial Health and Safety Act and WHMIS Regulation, the provincial/territorial Occupational Health and Safety Act and Regulations for Construction, all applicable notices, the Canada Labour Code Part II, the Electrical Inspection Authority directives and notices (if applicable), Federal and provincial/territorial Building and Fire Codes, the local building permit inspections.

The Contractor/Consultant shall have and maintain current their company Health and Safety Plan and Training Program including their Zero Energy (lock-out and tag-out) Policy and Procedures.

3.4. Generator Sets 5,000 hour minor maintenance

- 1) Replace fuel injection nozzles.
- 2) Replace water pump.
- 3) Replace coolant temperature regulators and seals.
- 4) Adjust all valve bridges and valve clearances
- 5) Clean and inspect crankcase breathers.
- 6) Inspect turbocharger and replace with spare unit if required.
- 7) Exhaust system – Inspect, check for leaks.
- 8) Cooling system – Inspect, check for leaks, replace hoses as required. Test for conditioner level.
- 9) Lubrication system – Inspect, check for leaks and obtain oil sample.
- 10) Fuel system (include day tanks & pumps) – Inspect and check for leaks.
- 11) Generator – Inspect, clean, megger test all windings and test rotating rectifier components
- 12) Generator bearing – Inspect and lubricate
- 13) Generator control panels – Inspect, clean and verify system operation in Manual and Auto modes. Make necessary adjustments/settings for optimum operation.
- 14) Engine/Generator Protection Systems – Test all safety alarms and shutdowns.

15) In addition to this list, refer to Original Equipment Manufacturer Manuals, Standards Operation Procedure and O&M Manual for additional information. Conform to the strictest requirements for the maintenance to ensure efficiency, reliability and safety of the Power House.

3.5. Generator Sets 10,000 hour major maintenance

- 1) Replace cylinder Heads.
- 2) Replace pistons, piston rings, wrist pins and retainers, connecting rods and cylinder liners.
- 3) Crankshaft, camshaft, rocker arm shaft assemblies – clean, inspect, polish if required.
- 4) Cylinder block – Clean, Inspect and remove all oil gallery plugs for cleaning.
- 5) Cylinder block spacer plates – Clean and inspect.
- 6) Replace crankshaft main bearings and thrust plates, connecting rod bearings, camshaft bearings.
- 7) Front and rear gear trains – Clean, inspect and replace all bearings
- 8) Replace fuel injection nozzles.
- 9) Inspect fuel Injection pump.
- 10) Inspect and test electronic governor actuator.
- 11) Inspect oil cooler core, water pump, oil pump,
- 12) Inspect turbocharger and replace with spare unit if required.
- 13) After cooler core – Clean, inspect and test
- 14) Inspect and replace all cooling system hoses as required.
- 15) Coolant – Obtain sample and return to manufacturer for analysis. Perform on-site testing for conditioner levels.
- 16) Generator – Disassemble, clean, and test all components. Megger all windings, and replace bearing.

- 17) Generator control panels – Inspect, clean and verify system operation in Manual and Automatic modes. Make necessary adjustments/settings for optimum operation.
- 18) Engine/Generator Protection Systems – Test all safety alarms and shutdowns.
- 19) In addition to this list, refer to Original Equipment Manufacturer Manuals, Standards Operation Procedure and O&M Manual for additional information. Conform to the strictest requirements for the maintenance to ensure efficiency, reliability and safety of the Power House.

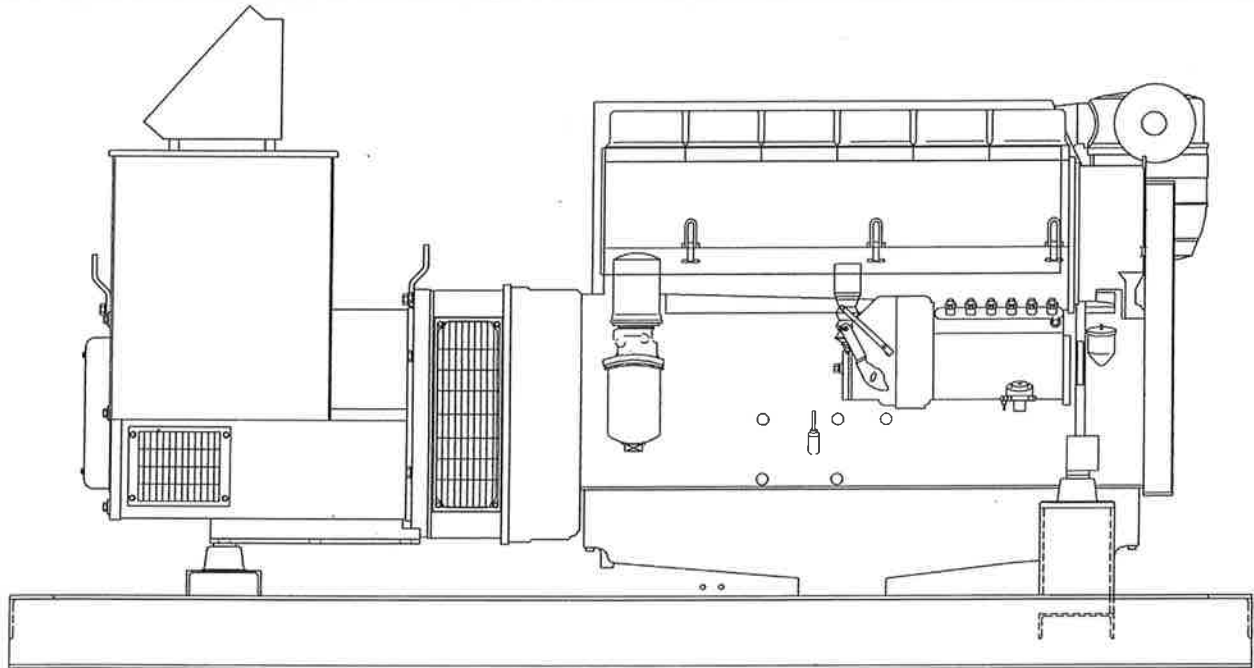
3.6.



**SIMSON
MAXWELL**

SIMMAX MODEL: 60DS/DIESEL

STANDBY 63 KWe 60 Hz • PRIME 61 KWe 60 Hz



POWER RATINGS

Volts & PF	120V 1Ø @ 1.0 PF	120/240V 1Ø @ 1.0PF	120/208V 3 Ø@ 0.8PF	120/240V 3Ø @ 0.8PF	277/480V 3Ø @ 0.8PF	347/600V 3Ø @ 0.8PF
KW standby	61.6	61.6	63.5	63.5	63.5	63.5
Amps standby	513	256	220	191	96	76
KW prime	58.5	58.5	60.3	60.3	61	61
Amps prime	488	244	209	181	92	73

Standby power: Operation at variable load for the duration of main power network interruption.
No overload permitted.

Prime power: Continuous operation at variable load in Lieu of main power network.
10% overload is permitted for 1hr every 12hrs.

WARRANTY

- All prime power generation products are covered by a comprehensive 1 year warranty from the date of startup or 18 months from the date of purchase, whichever occurs first, with unlimited hours of operation.
- All standby power generation products are covered by a comprehensive 2 year warranty from the date of startup or 30 months from the date of purchase or 200 hours of operation, whichever occurs first.

PRODUCT SUPPORT

- Simson Maxwell's power generation expertise encompasses custom design and engineering capabilities that provide innovative, flexible solutions to meet the customer's power generation specifications and requirements.
- The Simson Maxwell family of power generation products include a wide variety of options and accessories to support all applications.

www.simson-maxwell.com

British Columbia • Alberta • Ontario • Quebec

For more info call 1-800-374-6766

GENERATOR FEATURES

For Prime and Standby power the Simmax™ brand DS series of generators has proven performance in fuel economy and system reliability. All Simmax™ generators come with a 2 year limited warranty and with our Planned Maintenance program, routine service can be provided by qualified technicians to keep your generator in top condition. SIMSON MAXWELL also stocks all your parts needs for years of dependable service.

STANDARD EQUIPMENT

ENGINE & ACCESSORIES

- Air cleaner
- Base—formed steel channel
- Battery and cables
- Charging alternator
- Electric starter motor
- Full flow oil filter
- Vibration isolators

ALTERNATOR

- AC generator
- NEMA MG1-22 and CSA C22.2 compliance
- Brushless design
- Class H insulation
- Drip-proof construction
- Harmonic content is 3.5% maximum
- Permanently lubricated ball type bearings
- Self-ventilated
- Single bearing
- Telephone Influence Factor exceeds NEMA standards
- Wave form deviation factor is less than 5%

VOLTAGE REGULATOR

- EMI filter (Electromagnetic Interference)
- Over excitation protection
- Regulation +/- 1.5%
- Under speed regulation
- Voltage adjust rheostat

ENGINE TECHNICAL DATA

Model	F6L914	
Engine speed	1800RPM	
Cylinder arrangement	6 in-line	
Displacement	6.47L	394.8in ³
Bore X stroke	10.2X13.2cm	4.02X5.2in
Compression ratio	20.6 : 1	
BMEP	689kPa	100psi
Maximum net engine power	70.5kWm	94.5bhp

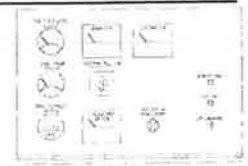
CONTROL PANELS

AVAILABLE CONTROLLERS

SIMSON MAXWELL offers a full range of generator controllers for any type of operating condition, manufactured and certified to CSA standards.

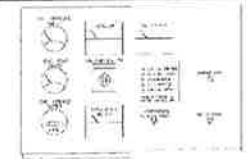
KS controller

- Manual key start and stop
- Engine protection shutdown for oil pressure & temperature
- Analog gauges
- Weather resistant console
- Optional AC metering



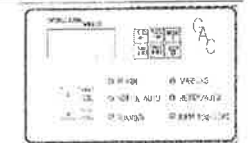
ES controller

- Analog gauges
- Automatic or manual start/stop
- 4 programmable timer functions
- Programmable crank attempts
- 6 LED indicators for status and faults
- 20A fused output for crank, preheat & run
- Speed sensing choices, 60/50HZ, DC alternator, MPU
- 4 safety shutdowns
- Optional AC metering



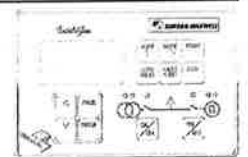
EGC-IL

- Backlit LCD display 128x64
- Automatic or manual start/stop
- Pre-lube function with timers
- Adjustable crank attempts
- 6 LED indicators
- 4 programmable outputs
- Engine warm up/cooling functions
- 3 analog inputs
- 6 binary configurable inputs
- Digital metering with alarms & shutdowns
- RS232, Modbus & modem communication
- Password protection



EGC-IG

- ADDITIONAL FEATURES
- 6 colour status LED indicators
- Data logging up to 177 entries
- Utility breaker control & timer
- Transfer switch control
- Generator circuit breaker control
- 6 binary configurable I/O channels
- 3 phase AMF function
- 9 selective systems operation
- Communication (Internet option)
- Options for load sharing & I/O
- Expansion



INSTALLATION DATA

LUBRICATION

Type	Full-flow	
Total oil capacity	14L	3.7USG
Oil filter quantity	1	
Oil cooler style	Tube and fin full-flow	

EXHAUST SYSTEM

Gas temperature	590° C	1094° F
Gas volume	853m ³ /h	502cfm
Maximum back pressure	2.76kPa	11.1 in wc
Engine exhaust outlet size	66mm	2.6in

COOLING SYSTEM

Turbo intercooler heat rate	N/A	
Radiator fan power	1.2kW	1.6hp

ELECTRICAL SYSTEM

Battery charging alternator	55A	
Battery recommended	4D	
Starter motor voltage	12	

VENTILATION REQUIREMENTS

Engine combustion air flow	315m ³ /h	185.4cfm
Engine cooling fan air flow	3160m ³ /h	1860cfm
Alternator cooling air flow	1012m ³ /h	595cfm
Minimum air in clear opening	0.41m ²	4.4ft ²
Minimum air out clear opening	0.35m ²	3.8ft ²
Maximum restriction	0.10kPa	0.40"H ₂ O

FUEL SYSTEM

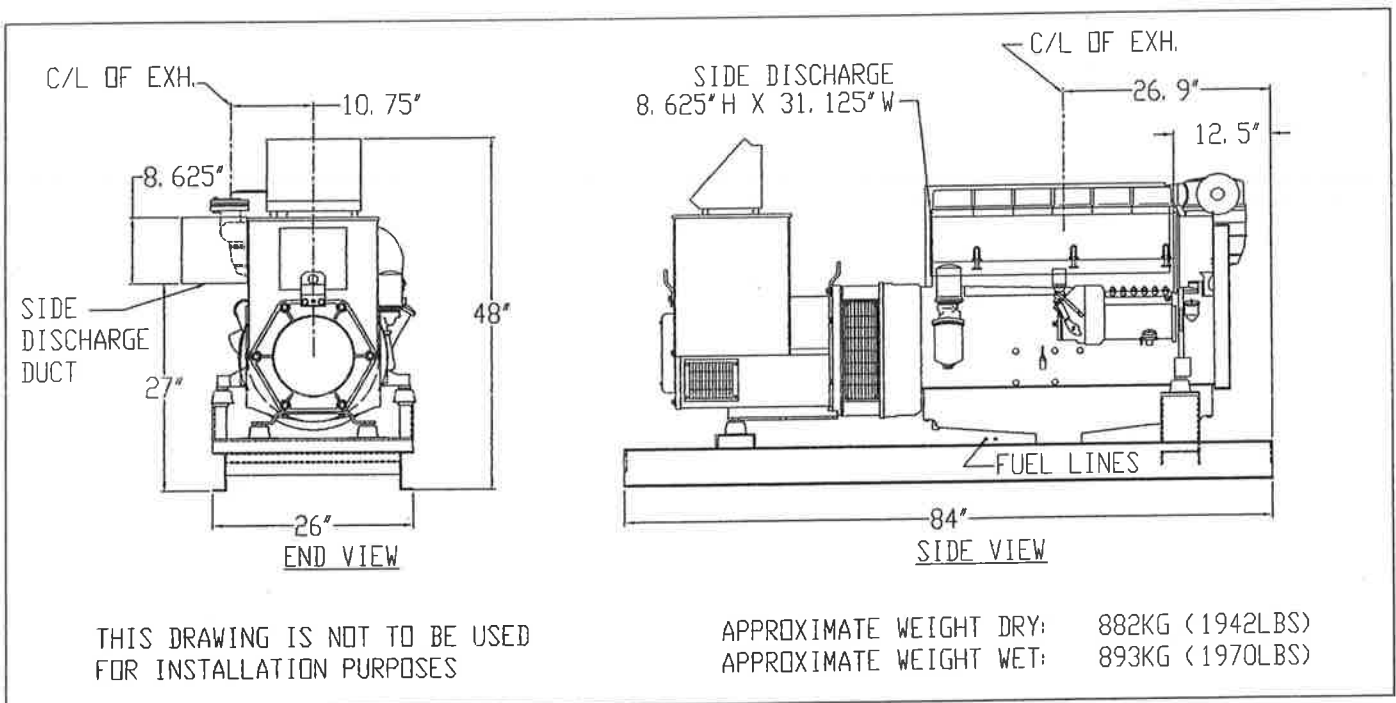
Fuel supply line. Min ID	9.52mm	0.375in
Fuel return line. Min ID	9.52mm	0.375in
Maximum fuel flow	N/A	
Fuel filter quantity	1	

FUEL CONSUMPTION

% of rated load		
100%	18.2L/h	4.8USGPH
75%	13.3L/h	3.5USGPM
50%	9.46L/h	2.5USGPM
25%	6.1L/h	1.6USGPM

DERATING

Consult factory



THIS DRAWING IS NOT TO BE USED
FOR INSTALLATION PURPOSES

APPROXIMATE WEIGHT DRY: 882KG (1942LBS)
APPROXIMATE WEIGHT WET: 893KG (1970LBS)

OPTIONS AND ACCESSORIES

CONTROL PANEL

- Custom control panels available
- AC meter package
 - AC Ammeter
 - AC Voltmeter
 - Frequency meter
 - Phase Selector switch

COOLING SYSTEM

- Air recirculating ductwork

FUEL SYSTEM

- Above ground fuel tank
- Auxiliary fuel pump and heaters
- Day tank
- Fuel/water separators
- Sub-base mounted fuel tank
 - Double wall
 - Single wall
 - UL listed

EXHAUST SYSTEM

- Industrial grade muffler
- Residential grade muffler
- Critical grade muffler
- Hospital grade muffler
- Flexible exhaust connector

LUBRICATION SYSTEM

- Crankcase oil heater
- Extended run dry sump
- Oil drain extension
- Oil sump heater
- Oil level maintainer with lube oil tank
- Pre-lube pump

ENGINE ELECTRICAL SYSTEM

- Battery cables
- Battery charger
- Battery rack
- Battery box
- Battery warmer
- 12 or 24 Volt

GENERATOR

- Main line circuit breaker
- PMG excitation
- anti-condensation heaters
- Paralleling capability

ACCESSORIES

- Cold weather start assist kit
- Remote annunciator
- Sound attenuated enclosures
- Trailer mounted package
- All weather protective housings
- Spring vibration isolators
- Single point lifting lug
- Isochronous governor
- Positive air shutoff

SIMSON MAXWELL BRANCH LOCATIONS

Edmonton

8750-58 avenue
Edmonton, Alberta
T6E 6G6
(780)434-6431

Calgary

6447 2nd Street S.E.
Calgary, Alberta
T2H 1J5
(403)252-8131

Port Coquitlam

1605 Kebet Way
Port Coquitlam, British Columbia
V3C 5W9
(604)944-7100

Nanaimo

#12-4131 Mostar Avenue
Nanaimo, British Columbia
V9T 5P8
(250)756-7700

Prince George

1846 S Quinn Street
Prince George, British Columbia
V2N 1X5
(250)562-2728

Montreal

4405 Poirier Boulevard
Montréal, Québec
H4R 2A4
(514)337-8008

Toronto

5925 Airport Road, Suite 200
Mississauga, Ontario
L4V 1W1
(905) 405-6313



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MAXWELL**

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3.7. Switchgear Maintenance

- 1) Perform cleaning and maintenance on the switchgear at least every four (4) years
- 2) Re-torque all connections.
- 3) Check and verify CT/PT operation and trip logic.
- 4) Clean switchgear and check for signs of arcing and contamination.
- 5) Inspect all molded case circuit breakers in the CDP.
- 6) Inspect and clean synchronization panel.
- 7) Test and calibrate main breakers to IEEE Standards.
- 8) Test and calibrate all protective relays.
- 9) Perform thermo scan under load.
- 10) In addition to this list, refer to Original Equipment Manufacturer Manuals, Standards Operation Procedure and O&M Manual for additional information. Conform to the strictest requirements for the maintenance to ensure reliability and safety of the Power House.

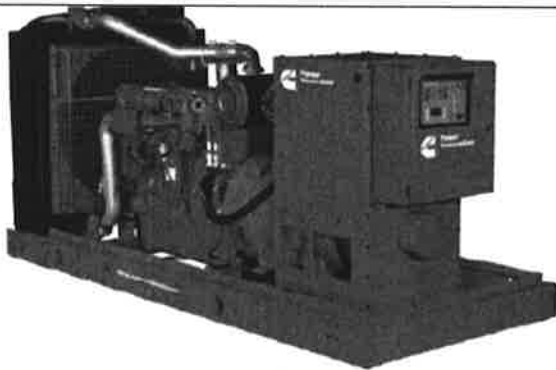
3.8. Heat Recovery System

- 1) Perform cleaning and maintenance on the heat recovery system every four (4) years.
- 2) Flush and clean system to manufacturer's recommendations and remove any scale and buildup.
- 3) Replace all seals in the heat recovery equipment.
- 4) Maintain and calibrate valves, actuators and controls.
- 5) In addition to this list, refer to Original Equipment Manufacturer Manuals, Standards Operation Procedure and O&M Manual for additional information. Conform to the strictest requirements for the maintenance to ensure efficiency, reliability and safety of the Power House.

3.9. Muffler & Exhaust System cleaning

- 1) Perform cleaning and maintenance on the exhaust heat recovery system every year for all three generators.
- 2) Disassemble and clean the units of the heat exchangers and other systems that make up the heat recovery system.
- 3) Refer to Original Equipment Manufacturer Manuals, Standards Operation Procedure and O&M Manual for additional information. Conform to the strictest requirements for the maintenance to ensure efficiency, reliability and safety of the Power House.

POWER GENERATION SYSTEM – EUREKA WEATHER STATION - NUNAVUT

EQUIPMENT:	Generator #2		
FUNCTION:	Generator 410kW Prime		
EQUIPMENT TAG:			
G1			
LOCATION:			
Power Plant Eureka			
AREA SERVED:			
All Eureka Weather Station Installation			
DESCRIPTION			
ENGINE		ALTERNATOR	
MANUFACTURER:	Cummins	MANUFACTURER:	STAMFORD
MODEL:	DFEJ QSX15-G9-NR2	MODEL:	MX341AVR
SERIAL NUMBER:	79268205	SERIAL NUMBER:	S215574-02
TYPE:	Prime, 4 Cycle, In-Line, 6 Cylinder Diesel TurboCharged	TYPE:	347/600V, 60Hz Permanent Generator Magnet (PMG)
OUTPUT (kWm)	507 kWm, 680HP	VOLTAGE REGULATOR:	Automatique
TENSION:	347/600V, 3 PHASES, 60Hz	Machine ID	M07121557402
EMISSION	Tier 2		
BREAKER	400A, 3 POLES		
CONTROL	Power Command 3201, NEMA 3R		
SOURCE OF POWER	Engine Starting Battery 8VDC to 35VDC		
COMMENTS			
DATE : 2008-05-06			

POWER GENERATION SYSTEM – EUREKA WEATHER STATION - NUNAVUT

EQUIPMENT: Generator #3

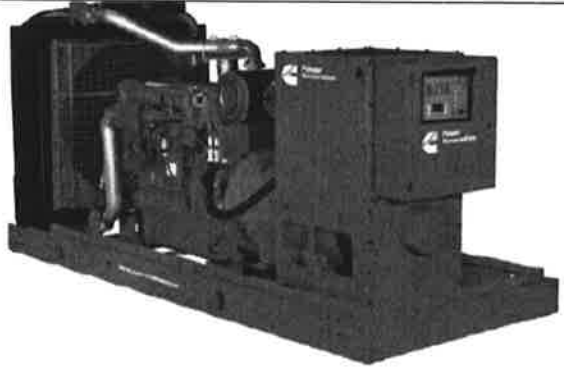
FUNCTION: Generator 410kW Prime

EQUIPMENT TAG:
G1

LOCATION:
Power Plant Eureka

AREA SERVED:
All Eureka Weather Station Installation

DESCRIPTION



ENGINE		ALTERNATOR	
MANUFACTURER:	Cummins	MANUFACTURER:	Cummins - STAMFORD
MODEL:	DFEJ QSX15-G9-NR2	MODEL:	MX341AVR
SERIAL NUMBER:	79268206	SERIAL NUMBER:	S215574-01
TYPE:	Prime, 4 Cycle, In-Line, 6 Cylinder Diesel TurboCharged	TYPE:	347/600V, 60Hz Permanent Generator Magnet (PMG)
OUTPUT (kWm)	507 kWm, 680HP	VOLTAGE REGULATOR:	Automatique
TENSION:	347/600V, 3 PHASES, 60Hz	Machine ID	M07121557401
EMISSION	Tier 2		
BREAKER	400A, 3 POLES		

CONTROL Power Command 3201, NEMA 3R
SOURCE OF POWER Engine Starting Battery 8VDC to 35VDC

COMMENTS

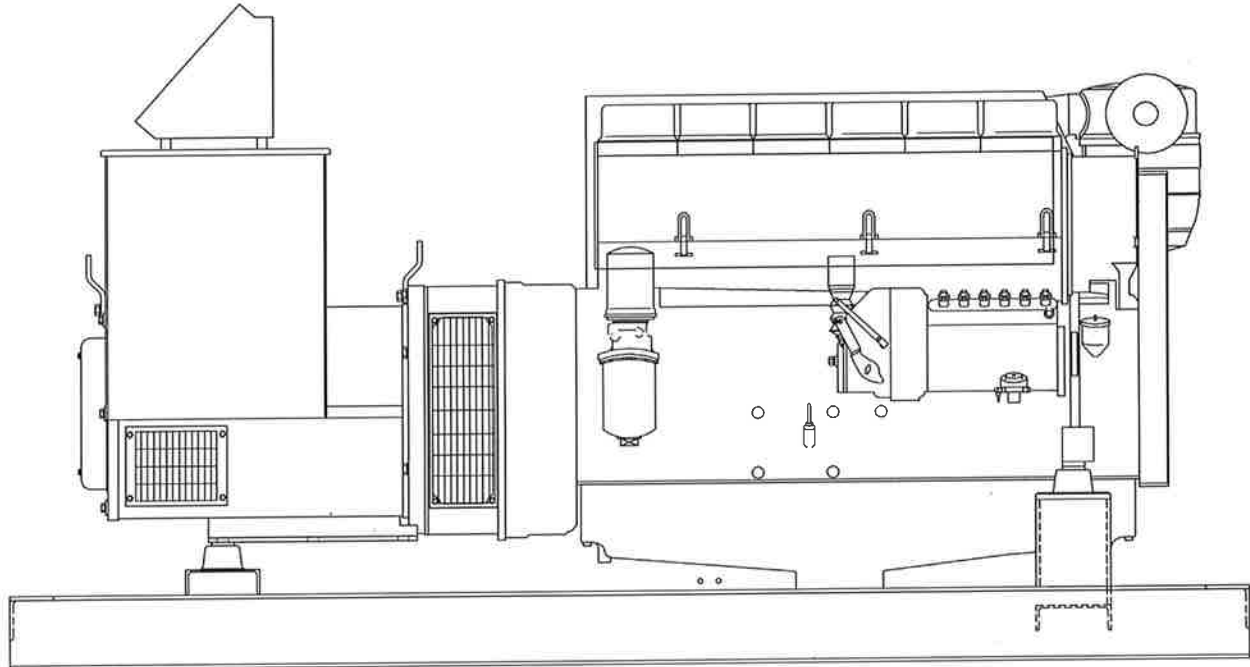
DATE : 2008-05-06



**SIMSON
MAXWELL**

SIMMAX MODEL: 60DS/DIESEL

STANDBY 63 KWe 60 Hz • PRIME 61 KWe 60 Hz



POWER RATINGS

Volts & PF	120V 1Ø @ 1.0 PF	120/240V 1Ø @ 1.0PF	120/208V 3 Ø@ 0.8PF	120/240V 3Ø @ 0.8PF	277/480V 3Ø @ 0.8PF	347/600V 3Ø @ 0.8PF
KW standby	61.6	61.6	63.5	63.5	63.5	63.5
Amps standby	513	256	220	191	96	76
KW prime	58.5	58.5	60.3	60.3	61	61
Amps prime	488	244	209	181	92	73

Standby power: Operation at variable load for the duration of main power network interruption.
No overload permitted.

Prime power: Continuous operation at variable load in Lieu of main power network.
10% overload is permitted for 1hr every 12hrs.

WARRANTY

- All prime power generation products are covered by a comprehensive 1 year warranty from the date of startup or 18 months from the date of purchase, whichever occurs first, with unlimited hours of operation.
- All standby power generation products are covered by a comprehensive 2 year warranty from the date of startup or 30 months from the date of purchase or 200 hours of operation, whichever occurs first.

PRODUCT SUPPORT

- Simson Maxwell's power generation expertise encompasses custom design and engineering capabilities that provide innovative, flexible solutions to meet the customer's power generation specifications and requirements.
- The Simson Maxwell family of power generation products include a wide variety of options and accessories to support all applications.

www.simson-maxwell.com

British Columbia • Alberta • Ontario • Quebec

For more info call 1-800-374-6766

GENERATOR FEATURES

For Prime and Standby power the Simmax™ brand DS series of generators has proven performance in fuel economy and system reliability. All Simmax™ generators come with a 2 year limited warranty and with our Planned Maintenance program, routine service can be provided by qualified technicians to keep your generator in top condition. SIMSON MAXWELL also stocks all your parts needs for years of dependable service.

STANDARD EQUIPMENT

ENGINE & ACCESORIES

- Air cleaner
- Base—formed steel channel
- Battery and cables
- Charging alternator
- Electric starter motor
- Full flow oil filter
- Vibration isolators

ALTERNATOR

- AC generator
- NEMA MG1-22 and CSA C22.2 compliance
- Brushless design
- Class H insulation
- Drip-proof construction
- Harmonic content is 3.5% maximum
- Permanently lubricated ball type bearings
- Self-ventilated
- Single bearing
- Telephone Influence Factor exceeds NEMA standards
- Wave form deviation factor is less than 5%

VOLTAGE REGULATOR

- EMI filter (Electromagnetic Interference)
- Over excitation protection
- Regulation +/- 1.5%
- Under speed regulation
- Voltage adjust rheostat

ENGINE TECHNICAL DATA

Model	F6L914	
Engine speed	1800RPM	
Cylinder arrangement	6 in-line	
Displacement	6.47L	394.8in ³
Bore X stroke	10.2X13.2cm	4.02X5.2in
Compression ratio	20.6 : 1	
BMEP	689kPa	100psi
Maximum net engine power	70.5kWm	94.5bhp

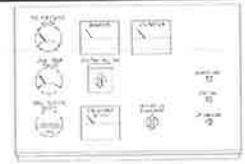
CONTROL PANELS

AVAILABLE CONTROLLERS

SIMSON MAXWELL offers a full range of generator controllers for any type of operating condition, manufactured and certified to CSA standards.

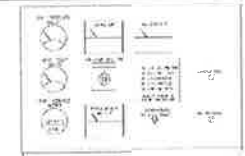
KS controller

- Manual key start and stop
- Engine protection shutdown for oil pressure & temperature
- Analog gauges
- Weather resistant console
- Optional AC metering



ES controller

- Analog gauges
- Automatic or manual start/stop
- 4 programmable timer functions
- Programmable crank attempts
- 6 LED indicators for status and faults
- 20A fused output for crank, preheat & run
- Speed sensing choices, 60/50HZ, DC alternator, MPU
- 4 safety shutdowns
- Optional AC metering



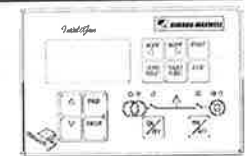
EGC-IL

- Backlit LCD display 128x64
- Automatic or manual start/stop
- Pre-lube function with timers
- Adjustable crank attempts
- 6 LED indicators
- 4 programmable outputs
- Engine warm up/cooling functions
- 3 analog inputs
- 6 binary configurable inputs
- Digital metering with alarms & shutdowns
- RS232, Modbus & modem communication
- Password protection



EGC-IG

- ADDITIONAL FEATURES
- 6 colour status LED indicators
- Data logging up to 177 entries
- Utility breaker control & timer
- Transfer switch control
- Generator circuit breaker control
- 6 binary configurable I/O channels
- 3 phase AMF function
- 9 selective systems operation
- Communication (Internet option)
- Options for load sharing & I/O
- Expansion



INSTALLATION DATA

LUBRICATION

Type	Full-flow	
Total oil capacity	14L	3.7USG
Oil filter quantity	1	
Oil cooler style	Tube and fin full-flow	

EXHAUST SYSTEM

Gas temperature	590° C	1094° F
Gas volume	853m ³ /h	502cfm
Maximum back pressure	2.76kPa	11.1 in wc
Engine exhaust outlet size	66mm	2.6in

COOLING SYSTEM

Turbo intercooler heat rate	N/A	
Radiator fan power	1.2kW	1.6hp

ELECTRICAL SYSTEM

Battery charging alternator	55A
Battery recommended	4D
Starter motor voltage	12

VENTILATION REQUIREMENTS

Engine combustion air flow	315m ³ /h	185.4cfm
Engine cooling fan air flow	3160m ³ /h	1860cfm
Alternator cooling air flow	1012m ³ /h	595cfm
Minimum air in clear opening	0.41m ²	4.4ft ²
Minimum air out clear opening	0.35m ²	3.8ft ²
Maximum restriction	0.10kPa	0.40"H ₂ O

FUEL SYSTEM

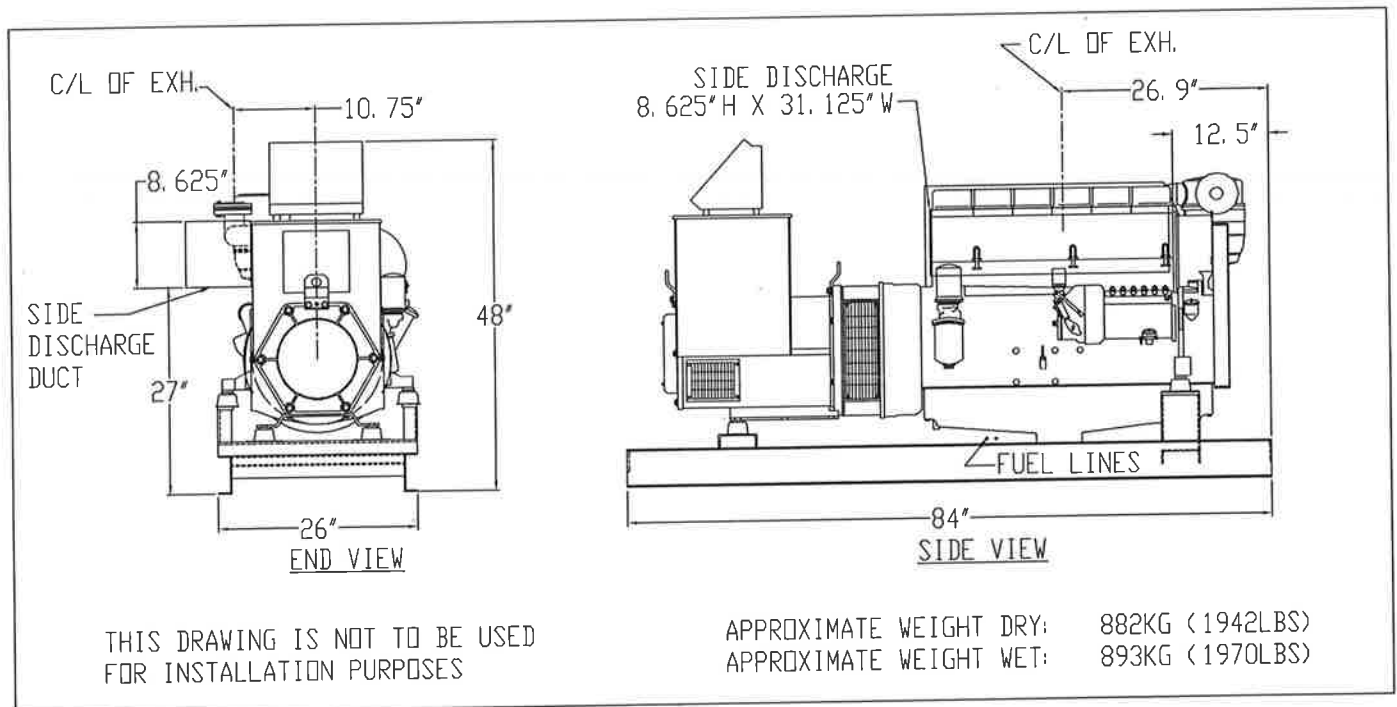
Fuel supply line. Min ID	9.52mm	0.375in
Fuel return line. Min ID	9.52mm	0.375in
Maximum fuel flow	N/A	
Fuel filter quantity	1	

FUEL CONSUMPTION

% of rated load		
100%	18.2L/h	4.8USGPH
75%	13.3L/h	3.5USGPM
50%	9.46L/h	2.5USGPM
25%	6.1L/h	1.6USGPM

DERATING

Consult factory



OPTIONS AND ACCESSORIES

CONTROL PANEL

- Custom control panels available
- AC meter package
 - AC Ammeter
 - AC Voltmeter
 - Frequency meter
 - Phase Selector switch

COOLING SYSTEM

- Air recirculating ductwork

FUEL SYSTEM

- Above ground fuel tank
- Auxiliary fuel pump and heaters
- Day tank
- Fuel/water separators
- Sub-base mounted fuel tank
 - Double wall
 - Single wall
 - UL listed

EXHAUST SYSTEM

- Industrial grade muffler
- Residential grade muffler
- Critical grade muffler
- Hospital grade muffler
- Flexible exhaust connector

LUBRICATION SYSTEM

- Crankcase oil heater
- Extended run dry sump
- Oil drain extension
- Oil sump heater
- Oil level maintainer with lube oil tank
- Pre-lube pump

ENGINE ELECTRICAL SYSTEM

- Battery cables
- Battery charger
- Battery rack
- Battery box
- Battery warmer
- 12 or 24 Volt

GENERATOR

- Main line circuit breaker
- PMG excitation
- anti-condensation heaters
- Paralleling capability

ACCESSORIES

- Cold weather start assist kit
- Remote annunciator
- Sound attenuated enclosures
- Trailer mounted package
- All weather protective housings
- Spring vibration isolators
- Single point lifting lug
- Isochronous governor
- Positive air shutoff

SIMSON MAXWELL BRANCH LOCATIONS

Edmonton

8750-58 avenue
Edmonton, Alberta
T6E 6G6
(780)434-6431

Calgary

6447 2nd Street S.E.
Calgary, Alberta
T2H 1J5
(403)252-8131

Port Coquitlam

1605 Kebet Way
Port Coquitlam, British Columbia
V3C 5W9
(604)944-7100

Nanaimo

#12-4131 Mostar Avenue
Nanaimo, British Columbia
V9T 5P8
(250)756-7700

Prince George

1846 S Quinn Street
Prince George, British Columbia
V2N 1X5
(250)562-2728

Montreal

4405 Poirier Boulevard
Montréal, Québec
H4R 2A4
(514)337-8008

Toronto

5925 Airport Road, Suite 200
Mississauga, Ontario
L4V 1W1
(905) 405-6313



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MAXWELL**

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ANNEX B

BASIS OF PAYMENT

1.2 Unit prices herein are firm for years 1-2 inclusive. Unit Prices for option years 3 – 5 inclusive will be subject to escalation on a yearly basis and in accordance with the Consumer Pricing Index in the event quoted prices cannot adequately cover costs. Contractor is to provide written notification to the Contracting Authority of a price increase/decrease within 180 calendar days prior to the expiry date based on the following schedule.

For year 3 - Provide notice of Price Revision by March 14, 2020

For year 4 - Provide notice of Price Revision by March 14, 2021

For year 5 - Provide notice of Price Revision by March 14, 2022

Upon review and acceptance of all price revisions by the Contracting Authority, an amendment will be issued to the contract.

- 1.3 If specialized work is requested by the Departmental Representative on a "Lot" basis due to unforeseen circumstances outside of the specific scope of this contract, a quote prior to the commencement of work will be provided and will include Unit Prices inclusive of labor, tradesmen, travel and living costs, shipment of tools and personal protective equipment to and from site. The cost of materials and shipment of materials are not included.
- 1.4 GST is not included in unit prices, but will be added as a separate item to any resulting invoice.
- 1.5 Shipping/Freight: The cost to ship materials and/or supplies is FOB destination, freight prepaid and charged back as a separate item on the invoice and supported by a copy of the freight companies invoice.
- 1.6 Original Equipment Manufacturer (OEM) parts and other (if approved by ECCC) parts are to be billed with profit & administration, total margin, of 15% maximum over the original OEM or supplier cost.
- 1.7 Environment & Climate Change Canada reserves the right to purchase internally the parts specified by the contractor.
- 1.8 If consumables parts/pieces of the inventory of ECCC on site are used by the contractor, the contractor will have notify ECCC in advance and supply a complete list of these items. Subsequent invoices to compensate the Contractor will have to be pre-approved prior to payment and include a price breakdown reducing the total invoice for the cost of ECCC parts or material.

ANNEX C

SECURITY REQUIREMENTS CHECK LIST



Contract Number / Numéro du contrat PREQ # 5000020271
Security Classification / Classification de sécurité

**SECURITY REQUIREMENTS CHECK LIST (SRCL)
LISTE DE VÉRIFICATION DES EXIGENCES RELATIVES À LA SÉCURITÉ (LVERS)**

PART A - CONTRACT INFORMATION / PARTIE A - INFORMATION CONTRACTUELLE

1. Originating Government Department or Organization / Ministère ou organisme gouvernemental d'origine Environment Canada	2. Branch or Directorate / Direction générale ou Direction MSC-ASOP
--	---

3. a) Subcontract Number / Numéro du contrat de sous-traitance	3. b) Name and Address of Subcontractor / Nom et adresse du sous-traitant
--	---

4. Brief Description of Work / Brève description du travail
To Observe, record, encode and transmit Aerological and Supplementary observations as per contract to comply with instructions in MANUPP - Manual of Upper Air Observations. Work to be performed at the Inuvik Upper Air Station.

5. a) Will the supplier require access to Controlled Goods? / Le fournisseur aura-t-il accès à des marchandises contrôlées? No / Non Yes / Oui

5. b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations? / Le fournisseur aura-t-il accès à des données techniques militaires non classifiées qui sont assujetties aux dispositions du Règlement sur le contrôle des données techniques? No / Non Yes / Oui

6. Indicate the type of access required / Indiquer le type d'accès requis

6. a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets? / Le fournisseur ainsi que les employés auront-ils accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
(Specify the level of access using the chart in Question 7. c) / (Préciser le niveau d'accès en utilisant le tableau qui se trouve à la question 7. c)

6. b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted. / Le fournisseur et ses employés (p. ex. nettoyeurs, personnel d'entretien) auront-ils accès à des zones d'accès restreintes? L'accès à des renseignements ou à des biens PROTÉGÉS et/ou CLASSIFIÉS n'est pas autorisé. No / Non Yes / Oui

6. c) Is this a commercial courier or delivery requirement with no overnight storage? / S'agit-il d'un contrat de messagerie ou de livraison commerciale sans entreposage de nuit? No / Non Yes / Oui

7. a) Indicate the type of information that the supplier will be required to access / Indiquer le type d'information auquel le fournisseur devra avoir accès

Canada <input checked="" type="checkbox"/>	NATO / OTAN <input type="checkbox"/>	Foreign / Étranger <input type="checkbox"/>
--	--------------------------------------	---

7. b) Release restrictions / Restrictions relatives à la diffusion

No release restrictions / Aucune restriction relative à la diffusion <input checked="" type="checkbox"/>	All NATO countries / Tous les pays de l'OTAN <input type="checkbox"/>	No release restrictions / Aucune restriction relative à la diffusion <input type="checkbox"/>
Not releasable / À ne pas diffuser <input type="checkbox"/>		
Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>	Restricted to: / Limité à: <input type="checkbox"/>
Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:	Specify country(ies): / Préciser le(s) pays:

7. c) Level of information / Niveau d'information

PROTECTED A / PROTÉGÉ A <input checked="" type="checkbox"/>	NATO UNCLASSIFIED / NATO NON CLASSIFIÉ <input type="checkbox"/>	PROTECTED A / PROTÉGÉ A <input type="checkbox"/>
PROTECTED B / PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED / NATO DIFFUSION RESTREINTE <input type="checkbox"/>	PROTECTED B / PROTÉGÉ B <input type="checkbox"/>
PROTECTED C / PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL / NATO CONFIDENTIEL <input type="checkbox"/>	PROTECTED C / PROTÉGÉ C <input type="checkbox"/>
CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>	NATO SECRET / NATO SECRET <input type="checkbox"/>	CONFIDENTIAL / CONFIDENTIEL <input type="checkbox"/>
SECRET / SECRET <input type="checkbox"/>	COSMIC TOP SECRET / COSMIC TRÈS SECRET <input type="checkbox"/>	SECRET / SECRET <input type="checkbox"/>
TOP SECRET / TRÈS SECRET <input type="checkbox"/>		TOP SECRET / TRÈS SECRET <input type="checkbox"/>
TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>		TOP SECRET (SIGINT) / TRÈS SECRET (SIGINT) <input type="checkbox"/>

Security Classification / Classification de sécurité
--





PART A (continued) / PARTIE A (suite)

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?
 Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
 If Yes, indicate the level of sensitivity:
 Dans l'affirmative, indiquer le niveau de sensibilité :
9. Will the supplier require access to extremely sensitive INFOSEC information or assets?
 Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? No / Non Yes / Oui
- Short Title(s) of material / Titre(s) abrégé(s) du matériel :
 Document Number / Numéro du document :

PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis
- | | | | |
|---|---|---|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input type="checkbox"/> SECRET
SECRET | <input type="checkbox"/> TOP SECRET
TRÈS SECRET |
| <input type="checkbox"/> TOP SECRET- SIGINT
TRÈS SECRET - SIGINT | <input type="checkbox"/> NATO CONFIDENTIAL
NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET
NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET
COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS
ACCÈS AUX EMPLACEMENTS | | | |
- Special comments:
 Commentaires spéciaux : _____
- NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.
 REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?
 Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? No / Non Yes / Oui
 If Yes, will unscreened personnel be escorted?
 Dans l'affirmative, le personnel en question sera-t-il escorté? No / Non Yes / Oui

PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)

INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?
 Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
11. b) Will the supplier be required to safeguard COMSEC information or assets?
 Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? No / Non Yes / Oui

PRODUCTION

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?
 Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? No / Non Yes / Oui

INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?
 Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? No / Non Yes / Oui
11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?
 Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? No / Non Yes / Oui



PART C - (continued) / PARTIE C - (suite)

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

SUMMARY CHART / TABLEAU RÉCAPITULATIF

Category / Catégorie	PROTECTED / PROTÉGÉ			CLASSIFIED / CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET	NATO RESTRICTED / NATO DIFFUSION RESTREINTE	NATO CONFIDENTIAL / NATO CONFIDENTIEL	NATO SECRET	COSMIC TOP SECRET / COSMIC TRÈS SECRET	PROTECTED / PROTÉGÉ			CONFIDENTIAL / CONFIDENTIEL	SECRET	TOP SECRET / TRÈS SECRET
											A	B	C			
Information / Assets / Renseignements / Biens / Production	✓															
IT Media / Support TI																
IT Link / Lien électronique																

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED? / La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification". / Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED? / La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE? No / Non Yes / Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments). / Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Contract Number / Numéro du contrat PREQ # 5000020271
Security Classification / Classification de sécurité

PART D - AUTHORIZATION / PARTIE D - AUTORISATION

13. Organization Project Authority / Chargé de projet de l'organisme

Name (print) - Nom (en lettres moulées) Shelley Rouire		Title - Titre Supervisor Contract Programs	Signature
Telephone No. - N° de téléphone 204 983 4934	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel shelley.rouire@canada.ca	Date 22 December 2015

14. Organization Security Authority / Responsable de la sécurité de l'organisme

Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?
Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes? No / Non Yes / Oui

16. Procurement Officer / Agent d'approvisionnement

Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

17. Contracting Security Authority / Autorité contractante en matière de sécurité

Name (print) - Nom (en lettres moulées)		Title - Titre	Signature
Telephone No. - N° de téléphone	Facsimile No. - N° de télécopieur	E-mail address - Adresse courriel	Date

Instructions for completion of a Security Requirements Check List (SRCL)

The instruction sheet should remain attached until Block #17 has been completed.

GENERAL - PROCESSING THIS FORM

The project authority shall arrange to complete this form.

The organization security officer shall review and approve the security requirements identified in the form, in cooperation with the project authority.

The contracting security authority is the organization responsible for ensuring that the suppliers are compliant with the security requirements identified in the SRCL.

All requisitions and subsequent tender / contractual documents including subcontracts that contain PROTECTED and/or CLASSIFIED requirements must be accompanied by a completed SRCL.

It is important to identify the level of PROTECTED information or assets as Level "A," "B" or "C," when applicable; however, certain types of information may only be identified as "PROTECTED". No information pertaining to a PROTECTED and/or CLASSIFIED government contract may be released by suppliers, without prior written approval of the individual identified in Block 17 of this form.

The classification assigned to a particular stage in the contractual process does not mean that everything applicable to that stage is to be given the same classification. Every item shall be PROTECTED and/or CLASSIFIED according to its own content. If a supplier is in doubt as to the actual level to be assigned, they should consult with the individual identified in Block 17 of this form.

PART A - CONTRACT INFORMATION

Contract Number (top of the form)

This number must be the same as that found on the requisition and should be the one used when issuing an RFP or contract. This is a unique number (i.e. no two requirements will have the same number). A new SRCL must be used for each new requirement or requisition (e.g. new contract number, new SRCL, new signatures).

1. Originating Government Department or Organization

Enter the department or client organization name or the prime contractor name for which the work is being performed.

2. Directorate / Branch

This block is used to further identify the area within the department or organization for which the work will be conducted.

3. a) Subcontract Number

If applicable, this number corresponds to the number generated by the Prime Contractor to manage the work with its subcontractor.

b) Name and Address of Subcontractor

Indicate the full name and address of the Subcontractor if applicable.

4. Brief Description of Work

Provide a brief explanation of the nature of the requirement or work to be performed.

5. a) Will the supplier require access to Controlled Goods?

*The Defence Production Act (DPA) defines "Controlled Goods" as certain goods listed in the Export Control List, a regulation made pursuant to the *Export and Import Permits Act (EIPA)*. Suppliers who examine, possess, or transfer Controlled Goods within Canada must register in the Controlled Goods Directorate or be exempt from registration. More information may be found at www.cgd.gc.ca.*

b) Will the supplier require access to unclassified military technical data subject to the provisions of the Technical Data Control Regulations?

The prime contractor and any subcontractors must be certified under the U.S./Canada Joint Certification Program if the work involves access to unclassified military data subject to the provisions of the Technical Data Control Regulations. More information may be found at www.dlis.dla.mil/jcp.

6. Indicate the type of access required

Identify the nature of the work to be performed for this requirement. The user is to select one of the following types:

a) Will the supplier and its employees require access to PROTECTED and/or CLASSIFIED information or assets?

The supplier would select this option if they require access to PROTECTED and/or CLASSIFIED information or assets to perform the duties of the requirement.

b) Will the supplier and its employees (e.g. cleaners, maintenance personnel) require access to restricted access areas? No access to PROTECTED and/or CLASSIFIED information or assets is permitted.

The supplier would select this option if they require regular access to government premises or a secure work site only. The supplier will not have access to PROTECTED and/or CLASSIFIED information or assets under this option.

c) Is this a commercial courier or delivery requirement with no overnight storage?

The supplier would select this option if there is a commercial courier or delivery requirement. The supplier will not be allowed to keep a package overnight. The package must be returned if it cannot be delivered.

7. Type of information / Release restrictions / Level of information

Identify the type(s) of information that the supplier may require access to, list any possible release restrictions, and if applicable, provide the level(s) of the information. The user can make multiple selections based on the nature of the work to be performed.

Departments must process SRCLs through PWGSC where:

- contracts that afford access to PROTECTED and/or CLASSIFIED foreign government information and assets;
- contracts that afford foreign contractors access to PROTECTED and/or CLASSIFIED Canadian government information and assets; or
- contracts that afford foreign or Canadian contractors access to PROTECTED and/or CLASSIFIED information and assets as defined in the documents entitled Identifying INFOSEC and INFOSEC Release.

a) Indicate the type of information that the supplier will be required to access

Canadian government information and/or assets

If Canadian information and/or assets are identified, the supplier will have access to PROTECTED and/or CLASSIFIED information and/or assets that are owned by the Canadian government.

NATO information and/or assets

If NATO information and/or assets are identified, this indicates that as part of this requirement, the supplier will have access to PROTECTED and/or CLASSIFIED information and/or assets that are owned by NATO governments. NATO information and/or assets are developed and/or owned by NATO countries and are not to be divulged to any country that is not a NATO member nation. Persons dealing with NATO information and/or assets must hold a NATO security clearance and have the required need-to-know.

Requirements involving CLASSIFIED NATO information must be awarded by PWGSC. PWGSC / CIISD is the Designated Security Authority for industrial security matters in Canada.

Foreign government information and/or assets

If foreign information and/or assets are identified, this requirement will allow access to information and/or assets owned by a country other than Canada.

b) Release restrictions

If **Not Releasable** is selected, this indicates that the information and/or assets are for **Canadian Eyes Only (CEO)**. Only Canadian suppliers based in Canada can bid on this type of requirement. NOTE: If Canadian information and/or assets coexists with CEO information and/or assets, the CEO information and/or assets must be stamped **Canadian Eyes Only (CEO)**.

If **No Release Restrictions** is selected, this indicates that access to the information and/or assets are not subject to any restrictions.

If **ALL NATO countries** is selected, bidders for this requirement must be from NATO member countries only.

NOTE: There may be multiple release restrictions associated with a requirement depending on the nature of the work to be performed. In these instances, a security guide should be added to the SRCL clarifying these restrictions. The security guide is normally generated by the organization's project authority and/or security authority.

c) Level of information

Using the following chart, indicate the appropriate level of access to information/assets the supplier must have to perform the duties of the requirement.

PROTECTED	CLASSIFIED	NATO
PROTECTED A	CONFIDENTIAL	NATO UNCLASSIFIED
PROTECTED B	SECRET	NATO RESTRICTED
PROTECTED C	TOP SECRET	NATO CONFIDENTIAL
	TOP SECRET (SIGINT)	NATO SECRET
		COSMIC TOP SECRET

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?

If Yes, the supplier personnel requiring access to COMSEC information or assets must receive a COMSEC briefing. The briefing will be given to the "holder" of the COMSEC information or assets. In the case of a "personnel assigned" type of contract, the customer department will give the briefing. When the supplier is required to receive and store COMSEC information or assets on the supplier's premises, the supplier's COMSEC Custodian will give the COMSEC briefings to the employees requiring access to COMSEC information or assets. If Yes, the Level of sensitivity must be indicated.

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?

If Yes, the supplier must provide the Short Title of the material and the Document Number. Access to extremely sensitive INFOSEC information or assets will require that the supplier undergo a Foreign Ownership Control or Influence (FOCI) evaluation by CIISD.

PART B - PERSONNEL (SUPPLIER)

10. a) Personnel security screening level required

Identify the screening level required for access to the information/assets or client facility. More than one level may be identified depending on the nature of the work. Please note that Site Access screenings are granted for access to specific sites under prior arrangement with the Treasury Board of Canada Secretariat. A Site Access screening only applies to individuals, and it is not linked to any other screening level that may be granted to individuals or organizations.

RELIABILITY STATUS	CONFIDENTIAL	SECRET
TOP SECRET	TOP SECRET (SIGINT)	NATO CONFIDENTIAL
NATO SECRET	COSMIC TOP SECRET	SITE ACCESS

If multiple levels of screening are identified, a Security Classification Guide must be provided.

b) May unscreened personnel be used for portions of the work?

Indicating Yes means that portions of the work are not PROTECTED and/or CLASSIFIED and may be performed outside a secure environment by unscreened personnel. The following question must be answered if unscreened personnel will be used:

Will unscreened personnel be escorted?

If No, unscreened personnel may not be allowed access to sensitive work sites and must not have access to PROTECTED and/or CLASSIFIED information and/or assets.

If Yes, unscreened personnel must be escorted by an individual who is cleared to the required level of security in order to ensure there will be no access to PROTECTED and/or CLASSIFIED information and/or assets at the work site.

PART C - SAFEGUARDS (SUPPLIER)

11. INFORMATION / ASSETS

a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information and/or assets on its site or premises?

If Yes, specify the security level of the documents and/or equipment that the supplier will be required to safeguard at their own site or premises using the summary chart.

b) Will the supplier be required to safeguard COMSEC information or assets?

If Yes, specify the security level of COMSEC information or assets that the supplier will be required to safeguard at their own site or premises using the summary chart.

PRODUCTION

c) Will the production (manufacture, repair and/or modification) of PROTECTED and/or CLASSIFIED material and/or equipment occur at the supplier's site or premises?

Using the summary chart, specify the security level of material and/or equipment that the supplier manufactured, repaired and/or modified and will be required to safeguard at their own site or premises.

INFORMATION TECHNOLOGY (IT)

d) Will the supplier be required to use its IT systems to electronically process and/or produce or store PROTECTED and/or CLASSIFIED information and/or data?

If Yes, specify the security level in the summary chart. This block details the information and/or data that will be electronically processed or produced and stored on a computer system. The client department and/or organization will be required to specify the IT security requirements for this procurement in a separate technical document. The supplier must also direct their attention to the following document: Treasury Board of Canada Secretariat - Operational Security Standard: Management of Information Technology Security (MITS).

e) Will there be an electronic link between the supplier's IT systems and the government department or agency?

If Yes, the supplier must have their IT system(s) approved. The Client Department must also provide the Connectivity Criteria detailing the conditions and the level of access for the electronic link (usually not higher than PROTECTED B level).

SUMMARY CHART

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

For users completing the form **online** (via the Internet), the Summary Chart is automatically populated by your responses to previous questions.

PROTECTED	CLASSIFIED	NATO	COMSEC
PROTECTED A	CONFIDENTIAL	NATO RESTRICTED	PROTECTED A
PROTECTED B	SECRET	NATO CONFIDENTIAL	PROTECTED B
PROTECTED C	TOP SECRET	NATO SECRET	PROTECTED C
	TOP SECRET (SIGINT)	COSMIC TOP SECRET	CONFIDENTIAL
			SECRET
			TOP SECRET

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".

b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).

PART D - AUTHORIZATION

13. Organization Project Authority

This block is to be completed and signed by the appropriate project authority within the client department or organization (e.g. the person responsible for this project or the person who has knowledge of the requirement at the client department or organization). This person may on occasion be contacted to clarify information on the form.

14. Organization Security Authority

This block is to be signed by the Departmental Security Officer (DSO) (or delegate) of the department identified in Block 1, or the security official of the prime contractor.

15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?

A Security Guide or Security Classification Guide is used in conjunction with the SRCL to identify additional security requirements which do not appear in the SRCL, and/or to offer clarification to specific areas of the SRCL.

16. Procurement Officer

This block is to be signed by the procurement officer acting as the contract or subcontract manager.

17. Contracting Security Authority

This block is to be signed by the Contract Security Official. Where PWGSC is the Contract Security Authority, Canadian and International Industrial Security Directorate (CIISD) will complete this block.