



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**

**11 Laurier St./ 11, rue Laurier
Place du Portage, Phase III
Core 0B2 / Noyau 0B2**

**Gatineau
Québec
K1A 0S5**

Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

THIS DOCUMENT CONTAINS A SECURITY
REQUIREMENT.

CE DOCUMENT CONTIENT UNE CONDITION DE
SECURITE.

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Maintenance & Professional Consulting Services Division
(FK)

11 Laurier St./ 11, rue Laurier
3C2, Place du Portage, Phase III
Gatineau

Québec
K1A 0S5

Title - Sujet CHCP - ABB Control System - Burner	
Solicitation No. - N° de l'invitation EJ196-151457/A	Date 2016-07-14
Client Reference No. - N° de référence du client 20151457	
GETS Reference No. - N° de référence de SEAG PW-\$\$FK-280-71234	
File No. - N° de dossier fk280.EJ196-151457	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-08-22	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Grogan, Lynn	Buyer Id - Id de l'acheteur fk280
Telephone No. - N° de téléphone (873) 469-4903 ()	FAX No. - N° de FAX (819) 956-3600
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF PUBLIC WORKS AND GOVERNMENT SERVICES CANADA PORTAGE III 11 LAURIER ST Gatineau Quebec K1A0S5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein	Delivery Offered - Livraison proposée
Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur	
Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur	
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)	
Signature	Date

IMPORTANT NOTICE TO BIDDERS

Support the use of apprentices

Through Canada's Economic Action Plan 2013, the Government of Canada proposes to support the employment of apprentices in federal construction and maintenance projects. To support this initiative, a voluntary certification signaling the Contractor's commitment to hire and train apprentices is available at Annex E.

POSSIBLE POSTAL SERVICES DISRUPTION

For businesses considering bidding on procurements, which could be affected by Canada Post labour disruptions, please read the [notice on alternative measures for submitting bids](https://buyandsell.gc.ca/bidders-to-use-alternative-measures-in-the-event-of-a-work-disruption-with-canada-post) (<https://buyandsell.gc.ca/bidders-to-use-alternative-measures-in-the-event-of-a-work-disruption-with-canada-post>) on Buyandsell.gc.ca and regularly visit that site for updates.

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION

- 1.1 Introduction
- 1.2 Summary
- 1.3 Debriefings

PART 2 - BIDDER INSTRUCTIONS

- 2.1 Standard Instructions, Clauses and Conditions
- 2.2 Submission of Bids
- 2.3 Former Public Servant
- 2.4 Enquiries - Bid Solicitation
- 2.5 Applicable Laws
- 2.6 Mandatory Site Visit

PART 3 - BID PREPARATION INSTRUCTIONS

- 3.1 Bid Preparation Instructions
 - Section I Technical Bid
 - Section II Financial Bid
 - Section III Certifications

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

- 4.1 Evaluation Procedures
- 4.2 Basis of Selection

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

- 5.1 Certifications Required with the Bid
- 5.2 Certifications Precedent to Contract Award and Additional Information

PART 6 - SECURITY REQUIREMENT

- 6.1 Security Requirement
- 6.2 Employee Information for Security

PART 7 - RESULTING CONTRACT CLAUSES

- 7.1 Statement of Work
- 7.2 Standard Clauses and Conditions
- 7.3 Security Requirement
- 7.4 Term of Contract
- 7.5 Authorities
- 7.6 Proactive Disclosure of Contracts with Former Public Servants (*if applicable*)
- 7.7 Payment
- 7.8 Invoicing Instructions - Maintenance Services
- 7.9 Certifications
- 7.10 Applicable Laws
- 7.11 Priority of Documents
- 7.12 Foreign Nationals (Canadian Contractor) (*if applicable*)
- 7.13 Insurance - Specific Requirements
- 7.14 Cellular Phones and/or Pagers
- 7.15 Government Site Regulations
- 7.16 Pre-commencement Meeting

7.17 Voluntary Reports for Apprentices Employed during the Contract

List of Annexes:

- Annex A Statement of Work
- Annex B Security Requirements Check List (SRCL)
- Annex C Cost Estimate Form for Extra Work
- Annex D Reminder to submit a Complete List of names of all individuals who are currently Directors of the Bidder
- Annex E Voluntary Certification to Support the Use of Apprentices

PART 1 - GENERAL INFORMATION

1.1 Introduction

The bid solicitation is divided into seven parts plus annexes as follows:

Part 1 General Information: provides a general description of the requirement;

Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;

Part 3 Bid Preparation Instructions: provides Bidders with instructions on how to prepare their bid;

Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, if applicable, and the basis of selection;

Part 5 Certifications and Additional Information: includes the certifications and additional information to be provided;

Part 6 Security, Financial and Other Requirements; includes specific requirements that must be addressed by Bidders; and

Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The Annexes include the Statement of Work, the Security Requirements Checklist, the Cost Estimate Form for Extra Work, the Reminder to submit a Complete List of names of all individuals who are currently Directors of the Bidder and the Voluntary Certification to Support the Use of Apprentices.

1.2 Summary

1.2.1 To provide Maintenance service including all necessary tool, services, equipment and labour for the ABB Control System, Burner Management System and 10 Building Metering Stations for Public Works and Government Services Canada located at the Confederation Heights Central Heating and Cooling Plant (CHCP) 510 Heron Road in Ottawa, Ontario in accordance with the Statement of Work 8M13-0076-11 attached herein as Annex A.

1.2.2 The period of the contract shall be for five (5) years.

1.2.3 There is a security requirement associated with this requirement. For additional information, consult Part 6 – Security, Financial and Other Requirements and Part 7 - Resulting Contract Clauses. For more information on personnel and organization security screening or security clauses, Bidders should refer to the Industrial Security Program (ISP) of Public Works and Government Services Canada (<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>) website.

1.2.4 The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

- 1.2.5 There is a mandatory Site Visit associated with this requirement where personnel security screening is required prior to gaining access to PROTECTED sites. Consult Part 2 – Bidder Instructions.

1.3 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

2.1 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 Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-andguidelines/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 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The text under Subsection 4 of Section 05 - Submission of Bids of 2003 referenced above is amended as follows:

Delete: sixty (60) days

Insert: one hundred twenty (120) days

2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.3 Former Public Servant

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 nonresponsive.

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. R-10, and 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.

2.4 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five 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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all Bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

2.5 Applicable Laws

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

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.

2.6 Mandatory Site Visit

It is mandatory that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for the Site Visit to be held at **Confederation Heights Central Heating and Cooling Plant (CHCP) 510 Heron Road in Ottawa, Ontario on August 3, 2016. The site visit will begin at 10:00 EDT, in the main entrance.**

Personnel security screening is required prior to gaining authorized access to PROTECTED sites. Bidders must communicate with the Contracting Authority no later than **July 26, 2016 at 16:00 EDT** to confirm attendance and provide the name(s) of the person(s) who will attend. The Bidder's Company Security Officer (CSO) must ensure that their representatives hold a valid security clearance at the required level for the Site Visit. Failure to comply with the security requirements will result in the representative(s) being denied access to the site.

Bidders will be required to sign an attendance sheet. Bidders should confirm in their bid that they have attended the Site Visit. Bidders who do not attend the mandatory Site Visit or do not send a representative will not be given an alternative appointment and their bid will be declared non-responsive. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

It is mandatory that bidders provide and wear safety boots, hard hat and safety glasses for the Site Visit. Bidders who do not comply will not be permitted to attend the Site Visit.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

- Section I Technical Bid (1 hard copy);
- Section II Financial Bid (1 hard copy); and
- Section III Certifications (1 hard copy)

Prices must appear in the financial bid only. Prices must not 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-policyeng.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.

Section I: Technical Bid (see Part 4, subsection 4.1.1)

Section II: Financial Bid

3.1.1 Bidders must submit their financial bid in accordance with the Pricing Schedule detailed below. The total amount of Applicable Taxes is to be shown separately.

The following requirement must be strictly adhered to: Failure to do so shall render the bidders' proposal as non-responsive.

It is mandatory that bidders submit firm prices/rates for the five year period of the contract for all items listed hereafter.

Pricing Schedule 1 - Firm Price

Firm all inclusive prices including all necessary tools, equipment and services, materials, transportation, labour for all inspections, testing, cleaning, maintenance services as detailed in Statement of Work attached herein as Annex A.

Period	Firm Quarterly Rate	Number of Quarters	Firm Annual Rate
Year 1	\$	x 4	\$
Year 2	\$	x 4	\$
Year 3	\$	x 4	\$
Year 4	\$	x 4	\$
Year 5	\$	x 4	\$
Total			\$

Pricing Schedule 2: Extra Work - As and When Requested

Extra work as described in Annex A - PWGSC Statement of Work, "Extra Work" will be conducted on an "As and When Requested" basis where charges shall be made for actual labour, repair and replacement parts. Estimated quantity of hours per year for extra work is for evaluation purposes only.

When "As and When Requested" work is requested during the contract period, the contractor must complete and submit the Annex C "Cost Estimate Form for Extra Work". Written authorization must be obtained from the Technical Authority prior to conducting any extra work.

Submit a Firm All-inclusive Labour Rate (including Overhead, Profit, and all related Costs) and material

2.1 LABOUR: Our firm hourly rate per qualified **Technician** shall be:

i) Regular Hours: 8:00 to 16:00, Monday to Friday (Rate/hour)	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
	\$ _____ /HR				
Estimated quantity of hours per year:	150	150	150	150	150
Extended Price:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2.1 (i) SUB-TOTAL:					\$ _____

ii) Outside Regular Hours: Monday to Saturday, Time and a Half (1.5 x Regular Hourly Rate) (Rate/Hour)	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
	\$ _____ /HR				
Estimated quantity of hours per year:	100	100	100	100	100
Extended Price:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2.1 (ii) SUB-TOTAL:					\$ _____

iii) Sunday & Statutory Holidays Double Time (2 x Regular Hourly Rate) (Rate/hour)	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
	\$ _____ /HR				
Estimated quantity of hours per year:	60	60	60	60	60
Extended Price:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2.1 (iii) SUB-TOTAL:					\$ _____

2.2 MATERIALS: Materials will be charged at our laid-down cost plus a mark-up of:

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Percentage Mark-up	_____ %	_____ %	_____ %	_____ %	_____ %
Estimated Expenditure:	10000	10000	10000	10000	10000
* Extended Price:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2.5 SUB-TOTAL:					\$ _____

* The Extended Price for materials is calculated by adding the mark-up quoted to the total estimated expenditure (Example: Year 1, \$500.00 estimated expenditure; 10% mark-up quoted = \$500.00 + (\$500.00 x 10%) = \$550.00). The estimated expenditures is for evaluation purposes only.

Parts will be supplied FOB Destination including all delivery charges. The following definitions have been used to arrive at the figures as noted:

i) MARK-UP - The difference between the Contractor's laid-down cost for product and resale price to the Crown. Mark-up includes applicable internal cost allocation by the Contractor such as material handling and general and administrative (G&A) expenses plus profit.

ii) LAID-DOWN COST - The cost incurred by a vendor to acquire a specific product or service for resale to the government. This includes but is not limited to the supplier's invoice price (less trade discounts), plus any applicable charges for incoming transportation, foreign exchange, customs duty and brokerage.

AUTHORIZATION FOR DELIVERY: The consignee shall request delivery of goods/services identified in Pricing Schedule 2., 2.1 (i), (ii); 2.2 on an authorization form provided by the Technical Authority.

TOTAL ASSESSED PROPOSAL PRICE

Sum of Basis of Pricing

Pricing Schedule 1:	Table 1	= Subtotal \$	_____ +
Pricing Schedule 2:	2.1 (i) to (iii)	= Subtotal \$	_____ +
Pricing Schedule 2:	2.2	= Subtotal \$	_____ +

Total assessed proposal price = \$ _____

IN THE CASE OF ERROR IN THE EXTENSION OF PRICES, THE UNIT PRICE WILL GOVERN. CANADA MAY ENTER INTO CONTRACT WITHOUT NEGOTIATION.

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

Submission of Evidence

Submission of Evidence as described at (4.1.1.1 to 4.1.1.3) should be included with the bid at time of solicitation closing. However, if the following is not submitted with the bid by the solicitation closing date, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

The evidence provided by the bidder may be verified. PWGSC reserves the right to verify information for completeness and accuracy and to confirm reference satisfaction with services provided.

4.1.1.1 Mandatory Employee Experience and Past Performance

To carry out the work on this requirement, the contractor must provide two (2) qualified personnel.

The bidder must provide evidence to demonstrate that the service personnel proposed to perform maintenance of the equipment identified in SW5 Equipment Inventory have **three (3) recent years experience** and past performance in maintenance/service by referencing **three (3) similar projects/contracts** within the last **eight (8) years** whereby the service personnel have performed satisfactorily.

- Recent experience is defined as experience gained from January 2010 up to and including the solicitation closing date.
- Similar is defined as maintenance service of comparable in size, scope and complexity to the equipment listed in Annex A, Statement of Work, Equipment Inventory.

In cases where experience is acquired concurrently, the time period will be considered only once for the purpose of calculating the minimum requirement of 3 years recent experience.

Example:

- Project 1: started on January 1, 2009 and ended on May 31, 2009 = 5 months
- Project 2: started on January 1, 2009 and ended on December 31, 2009 = 12 months
- Project 3: started on January 1, 2008 and ended on December 31, 2009 = 24 months

Total period for these 3 projects will count as 24 months and not 41 months because the period Jan. 2009 to Dec. 2009 has already been counted in Project 3. This employee does not meet the required minimum of 3 years recent experience.

In the event where the information for any of the service personnel cannot be confirmed by the client contacts named in the proposal, the proposal will be considered non-responsive and no further consideration will be given to the proposal. If the Bidder submits names of technicians in excess of the stated requirement, only the references up to the identified limit of two (2) qualified personnel will be assessed. The first two (2) proposed employees listed in the proposal will be considered for evaluation.

NAME OF TECHNICIAN 1: _____			
Name of client organization or Company	Project/Contract Reference #1: _____	Project/Contract Reference #2: _____	Project/Contract Reference #3: _____
Name and title of client contact who can confirm the information presented in the proposal	Name: _____ Title: _____	Name: _____ Title: _____	Name: _____ Title: _____
Telephone and email address of client contact	Phone Number: _____ E-mail: _____	Phone Number: _____ E-mail: _____	Phone Number: _____ E-mail: _____
Performance period of the project or contract (indicate year, month, day)	From: _____(yyyy/mm/dd) To: _____(yyyy/mm/dd)	From: _____(yyyy/mm/dd) To: _____(yyyy/mm/dd)	From: _____(yyyy/mm/dd) To: _____(yyyy/mm/dd)

NAME OF TECHNICIAN 2: _____			
Name of client organization or Company	Project/Contract Reference #1: _____	Project/Contract Reference #2: _____	Project/Contract Reference #3: _____
Name and title of client contact who can confirm the information presented in the proposal	Name: _____ Title: _____	Name: _____ Title: _____	Name: _____ Title: _____
Telephone and email address of client contact	Phone Number: _____ E-mail: _____	Phone Number: _____ E-mail: _____	Phone Number: _____ E-mail: _____
Performance period of the project or contract (indicate year, month, day)	From: _____(yyyy/mm/dd) To: _____(yyyy/mm/dd)	From: _____(yyyy/mm/dd) To: _____(yyyy/mm/dd)	From: _____(yyyy/mm/dd) To: _____(yyyy/mm/dd)

4.1.1.2 Mandatory Contractor's Experience and Past Performance

The bidder must provide evidence of its experience and past performance by referencing 3 similar projects/contracts within the last 3 years whereby the organization has performed satisfactorily. The bidder must complete the following form in order to demonstrate that it has the required experience.

- Recent experience is defined as experience gained from January 2012 up to and including the solicitation closing date.
- Similar is defined as a maintenance service on comparable in size, scope and complexity to the equipment listed in Annex A, Statement of Work, Equipment Inventory.

In the event where the information for any of the projects cannot be confirmed by the client contacts named in the proposal, the proposal will be considered non-responsive and no further consideration will be given to the proposal. If the Bidder submits references in excess of the stated requirement, only the references up to the identified limit of three (3) projects will be assessed. The first three (3) projects listed in the proposal will be considered for evaluation.

	PROJECT/CONTRACT REFERENCE # 1	PROJECT/CONTRACT REFERENCE # 2	PROJECT/CONTRACT REFERENCE # 3
Name of client organization or Company	Project/Contract Reference #1: _____	Project/Contract Reference #1: _____	Project/Contract Reference #1: _____
Name and title of client contact who can confirm the information presented in the proposal	Name: _____ Title: _____	Name: _____ Title: _____	Name: _____ Title: _____
Telephone and email address of client contact	Phone Number: _____ E-mail: _____	Phone Number: _____ E-mail: _____	Phone Number: _____ E-mail: _____
Performance period of the project or contract (indicate year, month, day)	From: _____ (yyyy/mm/dd) To: _____ (yyyy/mm/dd)	From: _____ (yyyy/mm/dd) To: _____ (yyyy/mm/dd)	From: _____ (yyyy/mm/dd) To: _____ (yyyy/mm/dd)
Description of Project/Contract	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____

4.1.1.3 Card and Licensing Documentation

The Bidder and all applicable employees performing the Statement of Work under the conditions of this contract must be qualified and/or certified under the governing regulations for carrying out this work.

To carry out the work on this requirement, Service Personnel employed by the Contractor must be in possession of:

- A valid certificate for DCS System 800xA
- A valid certificate Confined Space Awareness Certificate;
- A valid certificate Fall Protection Certificate;
- A valid Workplace Hazardous Material Inventory System (WHMIS) Certificate/wallet card;
- A valid and permanent Ontario Certificate of Qualification as G1 (Gas Technician 1) and as an OBT1 (Oil Burner Technician 1).

4.1.1.4 Apprentices

Apprentices employed by the Contractor must be fully registered in a Tradesman Program related to the services in Annex A, Statement of Work. Apprentices must work, at any time, under the direction of a Journeyman Mechanic. Canada reserves the right to request proof of registration in a Tradesman Program at any time during the term of the contract.

4.2 Basis of selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default, 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 will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid but may be submitted afterwards. If any of these required certifications or additional information 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 provide the certifications or the additional information listed below within the time frame specified will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politiquepolicy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 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 available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website

(http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.

[page?&_ga=1.229006812.1158694905.1413548969#afed](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program)).

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.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 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.

5.2.3.2 Education and Experience

SACC Manual clause A3010T (2010-08-16) Education and Experience

PART 7 - RESULTING CONTRACT CLAUSES

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

7.1 Statement of Work

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

To provide Maintenance service including all necessary tool, services, equipment and labour for the ABB Control System, Burner Management System and 10 Building Metering Stations for Public Works and Government Services Canada located at the Confederation Heights Central Heating and Cooling Plant (CHCP) 510 Heron Road in Ottawa, Ontario in accordance with the Statement of Work 8M13-0076-11 attached herein as Annex A.

7.1.1 Replacement of Specific Individuals

1. If specific individuals are identified in the Contract to perform the Work, the Contractor must provide the services of those individuals unless the Contractor is unable to do so for reasons beyond its control.
2. If the Contractor is unable to provide the services of any specific individual identified in the Contract, it must provide a replacement with similar qualifications and experience. The replacement must meet the criteria used in the selection of the Contractor and be acceptable to Canada. The Contractor must, as soon as possible, give notice to the Contracting Authority of the reason for replacing the individual and provide:
 - (a) the name, qualifications and experience of the proposed replacement; and
 - (b) proof that the proposed replacement has the required security clearance granted by Canada, if applicable.
3. The Contractor must not, in any event, allow performance of the Work by unauthorized replacement persons. The Contracting Authority may order that a replacement stop performing the Work. In such a case, the Contractor must immediately comply with the order and secure a further replacement in accordance with subsection 2. The fact that the Contracting Authority does not order that a replacement stop performing the Work does not relieve the Contractor from its responsibility to meet the requirements of the Contract.

Names of qualified employees

The contractor must provide the names of the qualified Technicians who will be assigned to work on this Contract. The names provided below must be the same personnel listed in part 3 & part 6 of the proposal.

Technicians	first & last name
Technician 1	
Technician 2	

7.2 Standard Clauses and Conditions

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

7.2.1 General Conditions

2035 (2016-04-04), General Conditions - Services, apply to and form part of the Contract.

7.3 Security Requirement

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

1. The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Facility Security Clearance at the level of **Secret**, issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).
2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid personnel security screening at the level of **Secret**, granted or approved by CISD/PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
 - (a) Security Requirements Check List and security guide (if applicable), attached at Annex B;
 - (b) *Industrial Security Manual* (Latest Edition).

7.4 Term of Contract

7.4.1 Period of Contract

The period of the Contract is from _____ to _____ inclusive.
(5 year period – exact dates to be determine at Contract award)

7.5 Authorities

7.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Lynn Grogan
Public Works and Government Services Canada
Acquisition Branch
Real Property Contracting Directorate
3C2, Phase III, Place du Portage
11 Laurier Street
Gatineau, Quebec K1A 0S5
Telephone: 873-469-4903
Facsimile: 819-956-3600
E-mail address: lynn.grogan@pwgsc-tpsgc.gc.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.

7.5.2 Technical Authority

"TO BE PROVIDED AT CONTRACT AWARD"

The Technical Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: ____ - ____ - ____

Facsimile: ____ - ____ - ____

E-mail address: _____.

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority; however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

7.5.3 Contractor's Representative

The name and particulars of the person to be contacted for general enquiries and follow-up purposes:

Name: _____

Telephone: _____

Facsimile: _____

Cellular: _____

E-mail: _____

7.6 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.

7.7 Payment

7.7.1 Limitation of Expenditure

The Contractor will supply the goods and services under the Contract to an estimated total expenditure that must not exceed \$ (to be determined) (Applicable Taxes extra) of which \$ (to be determined) (Applicable Taxes extra) is for goods and/or services enumerated or described in Pricing Schedule 1, and \$ (to be determined) (Applicable Taxes extra) is for additional goods and/or services that may be requested on an "As and When Requested" basis at the prices and/or rates set out in Pricing Schedule 2.

7.7.2 Basis of Payment - Firm Prices and "As and When"

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm prices, in accordance with General Conditions 2035 16 (2014-09-25) 'Payment Period' and the following tables. Applicable Taxes are extra, if applicable.

- a) Firm rates will be paid in accordance with Pricing Schedule 1 in four (4) equal quarterly payments.
- b) "As and When Requested" Work:

Any costs incurred for Extra Work will be paid, in accordance with Pricing Schedule 2 and the Statement of Work, Annex A, on an "as and when requested" basis, after completion, inspection and acceptance of the work performed.

Canada's total liability to the Contractor under the "as and when requested" portion of the Contract must not exceed **(to be determined)**. Applicable Taxes are extra, if applicable.

The Contractor must not perform any work or provide any service that would result in Canada's total liability being exceeded before obtaining the written approval of the Contracting Authority. The Contractor must notify the Contracting Authority in writing as to the adequacy of this sum:

- (a) when it is 75 percent committed, or
- (b) if the Contractor considers that the said sum may be exceeded, the Contractor must promptly notify the contracting Authority

whichever comes first.

If the notification is for inadequate contract funds, the Contractor must provide to the Contracting Authority, a written estimate for the additional funds required. Provision of such information by the Contractor does not increase Canada's liability.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

(At Contract award - insert appropriate pricing table(s) here)

7.7.3 SACC Manual Clauses

A9117C (2007-11-30) T1204 - Direct Request by Customer Department, apply to and form part of the Contract.

7.8 Invoicing Instructions - Maintenance Services

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions along with the quarterly maintenance report described in the Statement of Work of the Contract.

Invoices cannot be submitted until all work identified in the invoice has been completed and that all maintenance service call reports related to the Work identified in the invoice have been received by the Technical Authority.

2. The Contractor must distribute the invoices and reports as follows:

- (a) The original and two (2) copies of the invoices and quarterly maintenance reports must be forwarded to the following address for certification and payment:

Public Works and Government Services Canada
Maintenance and Operational Assurance Services
Chomley Building, 6th Floor
400 Cooper Street
Ottawa, Ontario, K1A 0S5
Attention:

7.9 Certifications and Additional Information

7.9.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor, in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

7.10 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

7.11 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) the general conditions 2035 (2016-04-04)
- (c) Annex A, Statement of Work;
- (d) Annex B, Security Requirements Check List;
- (e) Annex C, Cost Estimate Form for Extra Work
- (f) the Contractor's proposal dated _____ (insert date of bid)

7.12 Foreign Nationals (Canadian Contractor)

A2000C (2006-06-16) Foreign Nationals (Canadian Contractor) (if applicable), apply to and form part of the Contract.

7.13 Insurance

7.13.1 Insurance – Specific Requirements

The Contractor must comply with the insurance requirements specified in the **following article 7.13.2 Commercial General Liability Insurance**. The Contractor must maintain the required insurance coverage for the duration of the Contract. Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract.

The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

The Contractor must forward to the Contracting Authority within ten (10) days after the date of award of the Contract, a Certificate of Insurance evidencing the insurance coverage and confirming that the insurance policy complying with the requirements is in force. Coverage must be placed with an Insurer licensed to carry out business in Canada. The Contractor must, if requested by the Contracting Authority, forward to Canada a certified true copy of all applicable insurance policies.

7.13.2 Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

- f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
- g. Employees and, if applicable, Volunteers must be included as Additional Insured.
- h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
- i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
- j. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
- k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
- l. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
- m. Non-Owned Automobile Liability - Coverage for suits against the Contractor resulting from the use of hired or non-owned vehicles.
- n. Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.
- o. Litigation Rights: Pursuant to subsection 5(d) of the Department of Justice Act, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room
SAT-6042, Ottawa, Ontario, K1A
0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

7.14 Cellular Phones and/or Pagers

The Contractor's Foreman or Site Supervisor must be equipped with a cellular phone and/or pager at all times. All expenses including installation, air time, activating fees, and the cost of the phones/pagers themselves, will be the responsibility of the Contractor. The Contractor must maintain an uninterrupted communication service.

7.15 Government Site Regulations

The Contractor must comply with all regulations, instructions and directives in force on the site where the Work is performed.

7.16 Pre-Commencement Meeting

A pre-commencement meeting is mandatory for the Contractor prior to commencing any work and minutes of the meeting will be taken. The time and place of this meeting will be determined by the Technical Authority.

The Contractor is to supply the Technical Authority with a copy of its safety policy as required by the applicable Provincial Occupational Safety and Health Regulations.

7.17 Voluntary Reports for Apprentices Employed during the Contact

The Contractor should compile and maintain records on the number of apprentices that were hired to work on the contract and their trade specialty.

The Contractor should provide this data in accordance with the format below. If no apprentices were hired during the contract period, the Contractor should still provide a "nil" report.

The data should be submitted to the Contracting Authority six months after contract award or at the end of the contract, whichever comes first.

Number of apprentices hired	Trade specialty

(Add lines if needed)

ANNEX A

STATEMENT OF WORK

(Please See Attached)

ANNEX B

SECURITY REQUIREMENT CHECK LIST

(Please See Attached)

ANNEX D

**REMINDER TO SUBMIT A COMPLETE LIST OF NAMES OF ALL INDIVIDUALS WHO ARE
CURRENTLY DIRECTORS OF THE BIDDER**

NOTE TO BIDDERS
WRITE DIRECTOR'S SURNAMES AND GIVEN NAMES IN BLOCK LETTERS

ANNEX E

Voluntary Certification to Support the Use of Apprentices

1. To encourage employers to participate in apprenticeship training, Contractors bidding on construction and maintenance contracts by Public Works and Government Services Canada (PWGSC) are being asked to sign a voluntary certification, signaling their commitment to hire and train apprentices.
2. Canada is facing skills shortages across various sectors and regions, especially in the skilled trades. Equipping Canadians with skills and training is a shared responsibility. In Economic Action Plan (EAP) 2013, the Government of Canada made a commitment to support the use of apprentices in federal construction and maintenance contracts. Contractors have an important role in supporting apprentices through hiring and training and are encouraged to certify that they are providing opportunities to apprentices as part of doing business with the Government of Canada.
3. Through the Economic Action Plan 2013 and support for training programs, the Government of Canada is encouraging apprenticeships and careers in the skilled trades. In addition, the government offers a tax credit to employers to encourage them to hire apprentices. Information on this tax measure administered by the Canada Revenue Agency can be found at: www.craarc.gc.ca. Employers are also encouraged to find out what additional information and supports are available from their respective provincial or territorial jurisdiction.
4. Signed certifications will be used to better understand contractor use of apprentices on Government of Canada maintenance and construction contracts and may inform future policy and program development.
5. The Contractor hereby certifies the following:

In order to help meet demand for skilled tradespeople, the Contractor agrees to use, and require its subcontractors to use, reasonable commercial efforts to hire and train registered apprentices, to strive to fully utilize allowable apprenticeship ratios¹ and to respect any hiring requirements prescribed by provincial or territorial statutes.

The Contractor hereby consents to this information being collected and held by PWGSC, and Employment and Social Development Canada to support work to gather data on the hiring and training of apprentices in federal construction and maintenance contracts.

Name:

Signature:

Company Name:

Company Legal Name:

Solicitation Number:

Optional information to provide:

Number of apprentices planned to be working on this contract:

Trades of those apprentices:

¹ The journey-person-apprentice ratio is defined as the number of qualified/certified journeypersons that an employer must employ in a designated trade or occupation in order to be eligible to register an apprentice as determined by provincial/territorial (P/T) legislation, regulation, policy directive or by law issued by the responsible authority or agency.

SW1 General

- .1 The Contractor must provide all tools, incidental materials, inspection and repair labour, including the labour for emergency and regular trouble calls in order to execute the work required for the service, maintenance and calibration of the equipment referred to in these documents on the terms and conditions contained herein and must execute such work in a careful and workmanlike manner.
- .2 Parts, both new and refurbished (other than mentioned in SW1.1) will be supplied by the Technical Authority
- .3 The Contractor must be responsible for the integrity of the complete system(s) and respond to all service calls related to these systems for the duration of the maintenance agreement at no extra cost to Her Majesty.
- .4 The performance of the work required must provide for operation of the complete system(s) based on original design or subsequent design modifications as approved in accordance with SW8.1, and must be as recommended by the manufacturer(s) and agreed to by the Technical Authority.
- .5 The Contractor must have a valid Ontario Registration as a Heating Fuels Contractor and must comply with all the Ontario Regulations as required by the Technical Standards and Safety Act and must follow all the Federal, Provincial and Municipal codes, regulations, laws and acts.
- .6 The Contractor and/or his representatives must follow all applicable health and safety legislation and regulations and conform with any and all site specific health and safety plans and/or requirements, including but not limited to,
 - .1 attendance at a mandatory site-specific safety orientation session before commencing any work at the Confederation Heights CHCP. The Contractor and/or his representatives must update the orientation annually or more frequently depending on circumstances or instructions from the Plant Chief.
 - .2 completion of a Hazard Assessment Site Specific Safety Plan. This includes, but is not limited to, a Health and Safety Policy Statement, a Health and Safety Plan, roles and responsibilities, emergency phone numbers, list of personnel, written procedures, trade and apprenticeship certificates, mandatory training certificates, site specific worker orientation program, contractor licenses/certificates and a communication plan. This plan must be site specific and updated as required.

SW2 Scope

- .1 The Contractor must provide maintenance of the installed system(s) including all hardware, firmware and software, as referenced in Article SW10, Equipment Inventory.
- .2 Scheduled inspections are detailed in Article SW9, Inspections. As a minimum, the Contractor must provide the manufacturer's recommended maintenance, all maintenance required by all applicable codes and regulations as well as all other maintenance stated hereinafter.
- .3 The Contractor will not be required to make repairs or renewals necessitated by negligent operation or misuse of the equipment by others or by any other cause beyond their control, except ordinary wear and tear of the equipment. However, upon identification of such repairs or renewals or of necessary repairs not included as part of this contract, the Contractor must immediately inform the Technical Authority in writing within 24 hours.
- .4 The Contractor must replace and calibrate any defective system components with parts supplied by the Departmental Representative at no extra cost to ~~the Crown~~the Departmental Representative. If the new part is not a direct replacement the Departmental Representative and the Contractor shall negotiate a price for the modifications required to integrate the new part into the system.
- .5 Where the ABB Control System and/or Burner Management System interfaces with other systems, the Contractor must be responsible for service and maintenance of the interfacing device such as a relay, driver, gateway, modem, etc.
- .6 Where applicable, the leased telephone lines required for remote access to the system will be installed and maintained by the Technical Authority. All other devices or means of communication necessary for the performance of this work must be the responsibility of the Contractor.
- .7 The Contractor must coordinate all starting and stopping of equipment with the Departmental Representative.
- .8 Where system maintenance necessitates the removal of primary element devices, (i.e. Orifice plates and flow nozzles), said removal and reinstallation must be performed by the Departmental Representative.
- .9 When on site and as requested, the Contractor must provide information to the Departmental Representative as to proper utilisation of the systems.
- .10 All calibration must be accomplished using test equipment having a traceable, certified accuracy at least 50% greater than the system displayed or logged value. The certification cannot be more than 1 year old.

- .11 The calibration of all equipment must be within the manufacturers tolerance data for calibration.
- .12 Problem Solving Escalation Procedures
 - .1 If, within the first four hours of working on the equipment during a trouble call and/or emergency call, the Contractor's service technician has not made significant progress in effecting repairs and returning the equipment to service, the technician must contact the Contractor's technical support manager, service manager or engineering manager for direction as to further action.
 - .2 If, within a further four hours, the problem has not been corrected the Contractor must make arrangements for someone with the appropriate expertise to be on site without undue delay.
- .13 When it is necessary to take all or part of the system out of service for inspection, service and/or maintenance, arrangements must be made with the Technical Authority at least 24 hours in advance. Details must be provided as to what portion of the system will be out of service and the duration. If, in the opinion of the Technical Authority, this loss of service would unduly impact the operation of the facility the Contractor will be instructed to reschedule to a more suitable time. Should this rescheduled time be other than normal working hours, this shall be considered as being included in the terms and conditions of this agreement.
- .14 Provide calibration gases complete with cylinders for the calibration of the oxygen and carbon monoxide analyzers. PWGSC will provide a space for on site storage of cylinders.
- .15 Extra Work
 - .1 The Contractor may be required to make repairs not covered by the contract, upgrade obsolete system components, provide site specific training or make improvements to the BACS at extra cost as directed by the Departmental Representative.
 - .2 The Contractor must calculate the cost of the repairs, upgrades, training or improvements (SW2.12.1), based on "Pricing Schedule 2" and complete the "Cost Estimate Form For Extra Work". The Contractor may be called upon to effect this work. Written authorization must be obtained from the Departmental Representative prior to conducting any extra work.

SW3 Maintenance .1 The Contractor must provide sufficient qualified

Personnel

maintenance personnel (as defined in SW3.3) to accomplish promptly and satisfactorily all work included in this agreement. Prior to commencement, the Contractor must provide the Departmental Representative a list of the maintenance personnel assigned and must give written notice of changes in this personnel. All personnel must be cleared to the required security level for the facility as mentioned in the Security Requirements Check List (SRCL).

- .2 The Contractor must ensure that all work is performed under the supervision of a Supervisor having full authority to act for the Contractor. Such supervision must be provided for all work done by the Contractor's employees or any Sub-Contractor's employees to ensure performance in strict accordance with [all applicable codes and regulations](#) and the provisions in this agreement. The Supervisor does not have to be on site to perform these functions.
- .3 Further to SW3.1 all maintenance personnel must be qualified to maintain the installed equipment. Minimum qualifications must include graduation from a technical institution course and at least three years working experience with similar equipment installed in a facility of comparable size and complexity. At least two of the personnel must have certification of training in the ABB software being used on site. At least two of the personnel must have both an Ontario Certificate of Qualification as Gas Technician 1 and as an Oil Burner Technician 1. Labourers or apprentices may be used but must work under the direct supervision of a qualified maintenance person as defined and required by applicable codes and regulations.
- .4 All subcontractors must be approved by the Departmental Representative before starting any work and all subcontractor employees must be cleared to the required security level for the facility as mentioned in the SRCL.
- .5 The Contractor must ensure that all proposed resources have the necessary safety training to perform the work as laid out in the contract documents. Canada reserves the right to request proof of registration, training, certification, experience and reference at anytime during the term of the contract.

**SW4 Schedule of
Maintenance**

- .1 Service calls must be performed during regular working hours, 7:30 am to 4:00 p.m., Monday through Friday, excluding legal holidays.
- .2 Within 10 days after contract award the Contractor must provide to the Technical Authority a detailed schedule of maintenance to be applied for the term of this contract. This schedule must contain and reflect the manufacturer's recommended maintenance, code and regulatory requirements and all requirements of this agreement, formatted in

major and minor inspection work packages covering the term of this contract. It is anticipated that the workload will be evenly distributed over the calendar year, but will maintain the frequency requirements of this contract. Two copies of this schedule must be provided, one to the Technical Authority and one to remain on site. The site copy must be signed, dated and annotated after every inspection, as to work completed during the inspection.

- .3 The proposed schedule shall be reviewed by the Technical Authority and may require revision by the Contractor to meet the Technical Authority's requirements. Any such changes shall be considered as part of this agreement.

SW5 **Emergency Calls**

- .1 All emergency calls must be answered by a qualified service technician (as defined in SW3) within 2 hours of receiving the call on a 24 hour, 7 day basis at no extra cost to the contract. Service personnel must report on site ready to service the system within two (2) hours of receiving the request for emergency service and such work must proceed continuously until the system is returned to safe operating condition. Requests for emergency services must only be accepted from the Departmental Representative.
- .2 The Contractor must furnish the Technical Authority with a telephone number where service personnel may be contacted at all times.

SW6 **Contacting and Reporting**

- .1 Contacting
The Contractor must contact the Technical Authority three (3) days in advance of a scheduled maintenance inspection. The Technical Authority will provide the Contractor with a list of abnormal conditions for corrective action during the inspection. The Contractor shall be provided a list of personnel to be contacted upon entering the facility. The Departmental Representative must be contacted after each inspection or repair and advised, in writing, of any outstanding or abnormal situation with respect to the system that has not been corrected.
- .2 Reporting
The contractor must inform the Confederation Heights CHCP operational personnel prior to starting any work and outline the work to be completed. The Contractor must immediately complete a signed and dated, written report after every site visit for a call-back repair and/or inspection and leave a copy of the report in the log book at Tunneys CHCP and must forward a copy to the Departmental Representative. The service report will be completed in a clear and concise manner that indicates the operating condition(s) after the completion of the repair(s) resulting from callback, inspections or any other work that has been done on the site resulting from

this contract. The report must detail who the technician reported to, all work completed, any work outstanding, abnormal situations not corrected, the reasons therefore and an estimated time frame for completion. Any defects which cannot be corrected immediately must be reported immediately, in writing, to the Departmental Representative.

Forward copies of service reports and invoices to the attention of:

The Technical Authority
Address: Public Works and Government Services Canada
Maintenance and Operational Assurance
Property Management Services
400 Cooper Street, 6th floor
Ottawa, ON
K1A 0S5

Reports are to include:

- (a) date and time of inspection
- (b) building name and address
- (c) reference & contract numbers
- (d) name of service personnel
- (e) operators signature
- (f) work performed
- (g) hours spent on site
- (h) parts replaced
- (i) rescheduled work
- (j) incomplete work

- .3 Records and logs of each maintenance task must be kept on site. Cumulative records for each major component and for the complete system must be organised chronologically, and available to the Technical Authority on request.
- .4 The Contractors Supervisor must attend on site meetings every second month for the duration of the contract.

SW7 System Updating

- .1 The Contractor must provide amended documentation and drawings in quantities as originally provided, to reflect all changes made to the system either through the Technical Authority's authorisation, manufacturer's recommendation or regulatory requirements.
- .2 Once a year on the contract anniversary date the Contractor must provide a list of all changes, additions or modifications made to the equipment covered by the contract.
- .3 The contractor must ensure that the tags for all input and output points connected to the DCS either directly or remotely are up to date. Missing tags will be replaced and must be similar to the original tags.

SW8 System Modification

- .1 Recommendations for system modification initiated by the Contractor must be presented in writing to the Technical Authority detailing costs and anticipated benefits. System modifications must not be made without [meeting all requirements for regulatory compliance](#), including the

TSSA Fuel Safety Program Advisory FS-133-08 maintenance but not limited to and prior approval by the Technical Authority.

SW9 Inspections

.1 The Contractor must provide the following inspection, verification, calibration, maintenance and testing services which are considered to be minimum requirements, and must not be interpreted to mean satisfactory performance. In addition the Contractor must ensure compliance with all code and regulatory requirements related to these services.

The Contractor must provide completed, site specific, task lists as proof of the annual calibration or verification of all system points. Task lists are to include the following sensor and control point detail; point name, location, measured value, system displayed value, calibration detail, if recalibration was required, technicians name, date of inspection and any other action taken or recommended. The annual point inspection report is due one month before the anniversary date of the contract.

The complete systems, excluding the building metering, must be inspected annually, or more frequently if required by the manufacturer, to maintain the entire system at optimum performance levels.

The Contractor must use approved field calibration forms and must provide completed, site specific, dated task lists as proof of calibration of all system points. Task lists are to include the following sensor and control point detail; point name, tag number, location, expected calibration results, as found and as left calibration data, if recalibration was required, and any other action taken or recommended. One copy of each calibration form is to be left in the plant and one copy is to be forwarded to the Departmental Representative. These forms must be forwarded to the Departmental Representative at the end of the month in which they were completed.

The Contractor must affix an approved sticker to each field device when it is calibrated. The sticker will show the range of the device, the date of calibration, and the technicians initials.

.1 Controller, Workstation and Network Inspection

.1 Verify the operation of the automatic switchover to the redundant network and the redundant Distributed Processing Units (DPU's).

.2 Provide two updated backup copies of all programs and databases, one to be left on site and one to be left with the Departmental Representative.

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- .3 The central processing units including all peripheral devices must be inspected and maintained as per manufacturers recommendations. Peripheral devices must include but not be limited to; CRT or LCD display monitors, keyboards, mass storage devices, printers, plotters, communication devices (modems), interface devices and all associated firmware and software.
- .4 Perform network analysis and system diagnostic programs and take appropriate action to correct all diagnosed problems. Report to the Departmental Representative on results with recommendations to correct perceived problems.
- .2 **Monthly Inspection**
This inspection must include but not be limited to the following:
 - .1 Visual and operational checks of all DPU's, peripheral equipment, operator workstations/CPU's, interface devices/panels, communication device, remote I/O and all associated firmware and software.
 - .2 Clean all cabinets, enclosures and peripheral equipment interior and exterior surfaces as required.
 - .3 Verify and adjust supply voltages for all power supplies and check signal and ground isolation as required.
 - .4 Ensure proper operation of all equipment cooling systems and change or clean filters as required.
 - .5 Visual check for mechanical faults, air leaks and proper pressure settings on pneumatic components.
 - .6 Implement minor control and graphics changes to the system as requested by the Departmental Representative.
 - .7 Review system performance and control loops and sequences for proper operation (i.e. Controlled conditions are stable and at setpoint). If necessary, verify and adjust tuning constants (proportional, integral and derivative) setpoints, parameter values etc. to maintain stable and efficient operating conditions.
- .3 **Field Components, DCS and BMS**

- .1 Verify calibration/accuracy of each input or output device annually and clean, repair and recalibrate as required.
 - .2 Check operation of all associated relays and switches and clean, repair and recalibrate as required.
 - .3 Check operation of pilot positioners and clean, repair and recalibrate as required.
 - .4 Check for leaking diaphragms on all actuators.
 - .5 Check control valves for smooth operation and tight shut-off and clean, repair and recalibrate as required.
 - .6 Check all modulating control valve packing for leaks and lubricate or replace as required.
 - .7 Check all vanes and dampers for proper operation and lubricate as per manufacturers recommendations.
 - .8 Confirm the operation of all alarm and cut-off points associated with the DCS.
 - .9 Every year the Contractor must complete and sign the DCS Calibration Verification Sheet (SOW Annex A) when the required inspections and reports have been completed.
- .4 **BMS Maintenance**
- The entire BMS for each boiler is to be inspected and maintained every year in accordance with the manufacturers recommendations and the Federal, Provincial and Municipal codes, regulations, laws and acts.
- Maintenance includes but is not limited to the following;
- .1 Clean the electrode and re-set.
 - .2 Check and clean the flame scanner and check the flame failure system and safety timing.
 - .3 Check the running interlock system.
 - .4 Check the operation of the low water cut-outs.
 - .5 Check the operation of the low and high gas pressure switches.
 - .6 Check the high limit control.

- .7 Natural gas and propane safety block valves to be leak tested to ensure tight shut off.
- .8 Check electrical connections in BMS panel.
- .9 Check alarms and indicating lights.
- .10 Every year the Contractor must complete and sign the BMS Verification Sheet (SOW Annex B) for each boiler when the annual inspection has been completed.

.5 Combustion Testing

- .1 Once a year combustion tests are to be done on boilers 1 to 4. Timing of tests to be coordinated with the Plant Chief and be done during the winter when sufficient load is present.
- .2 Combustion tests are to be done at 10% intervals with both increasing and decreasing settings.
- .3 A report will be submitted comparing the boiler efficiency for the new tests to the base line/previous tests.

.6 Building Metering Devices And All Associated Communications Equipment

- .1 All the building metering equipment is to be calibrated once between in the following years of the contract, year 2 and year 4.
- .2 The electrical metering is checked where the signal enters the RTU. The contractor is not responsible for the input components for the electrical metering.
- .3 The contractor must use the PWGSC metering calibration forms to record the as found and as left readings for the building metering.

SW10 Equipment Inventory

- .1 The Contractor will be responsible for all of the components that comprise the integrated control system installed in the plant including all DCS components, all field devices, all burner management components and related components, boiler alarm components, all chiller PLC alarm panels, all building metering components, all operator workstation components (including keyboards, monitors, printers, etc.), all communication and network components and the remote terminal at 400 Cooper Street. All the components and points directly or remotely connected to the digital control system (DCS), the Burner Management Systems and the Metering Systems on the day of contract award will be considered to be part of this contract.

This includes but is not limited to;
a) All Boiler and Boiler Common Controls.
b) All Burner Management System controls.
c) All Flame Safeguard controls.
d) All chiller and chiller common controls.
e) All Metering Stations and devices.

Not included in this contract are dampers, vanes, valve bodies and valve trim, however the Contractor is responsible for verifying the operation of these components and reporting any deficiencies to the Departmental Representative. Also not included are printer supplies (paper and ink cartridges), Variable Frequency Drives (VFD), control air compressors, air dryers and pressure regulator/filter stations.

A point list (for reference only) is attached below.

Tag #	Description	Type
RB4_FT402	Gas Flow	AI
RB4_ZT459A	VFD Feedback	AI
RB4_FT458	Water Flow	AI
RB4_ZT459	FD Feedback	AI
RB4_ZT408	Fuel Valve Feedback	AI
RB4_PT436	Furnace Pressure	AI
RB4_TT422	Water Output Temp	AI
RB4_ZT436B	FGR Feedback	AI
RB4_ZY459A	VFD Setpoint	AO
RB4_FY458	Water Valve	AO
RB4_FV408	Fuel Valve	AO
RB4_FZ459	FD Damper	AO
RB4_FZ436B	FGR Damper	AO
RB4_FZ436	Outlet Damper	AO
RB4_ES403	PURGE	DI
RB4_ES404	MIN FIRE	DI
RB4_ES400	BURNER ON	DI
RB4_ES402	GAS SELECTED	DI
RB4_ES429	OIL SELECTED	DI
RB4_ZY405	OPERATING TEMP STOP	DO
RB4_ZY406	DCS TRIP	DO
RB4_ZY403	PURGE	DO
RB4_ZY404	LOW FIRE	DO
RB4_ZY407	FURNACE PRESS TRIP	DO
RB1_FT102	NATL.GAS FLOW	AI
RB1_FT129	SUPPLY OIL FLOW	AI
RB1_FT130	RETURN OIL FLOW	AI
RB1_FT158	BLR OUT WATER FLOW	AI

RB1_FT159	COMBUSTION AIR FLOW	AI
RB1_PT163	FURNACE DRAFT	AI
RB1_FY102	NATL.GAS FLOW DRIVE	AO
RB1_FY127	RETURN OIL FLOW VALVE	AO
RB1_FY158	BLR OUT WATER FLOW VALVE	AO
RB1_FY159	COMBUSTION AIR FLOW	AO
RB1_PY163	FURNACE DRAFT DRIVE	AO
RB1_AT168	O2 ANALYZER	AI
RB1_AT169	CO ANALYZER	AI
RB1_PT162A	WINDBOX AIR-BURNER #1	AI
RB1_PT135	BOILER 1 PRESSURE	AI
RB4_FT429	SUPPLY OIL FLOW	AI
RB4_FT430	RETURN OIL FLOW	AI
RB4_FT402	NATL.GAS FLOW	AI
RBC_LT1013	FUEL OIL STORAGE TANK #1	AI
RB2_AT268	O2 ANALYZER	AI
RB2_AT269	CO ANALYZER	AI
RB2_PT262A	WINDBOX AIR-BURNER #1	AI
RB2_PT235	BOILER 2 PRESSURE	AI
RBC_LT1014	FUEL OIL STORAGE TANK #2	AI
RC1_JT500	CHILLER 1 ELECTRICAL	AI
RC2_JT600	CHILLER 2 ELECTRICAL	AI
RPC_PT1029	CITY WATER PRESS	AI
RB3_AT368	O2 ANALYZER	AI
RB3_AT369	CO ANALYZER	AI
RB3_PT362A	WINDBOX AIR-BURNER #1	AI
RB3_PT335	BOILER 3 PRESSURE	AI
RC3_JT700	CHILLER 3 ELECTRICAL	AI
RC4_JT800	CHILLER 4 ELECTRICAL	AI
RBC_FT1026	TUNNEL HTHW FLOW BTM PIPE	AI
RBC_FT1027	TUNNEL HTHW FLOW TOP PIPE	AI
RB1_PI162A	WINDBOX AIR-BURNER #1-GAUGE	AO
RB1_PI163	FURNACE DRAFT -GAUGE	AO
RBC_PV1011	OIL CTRL VALVE	AO
RBC_LI1013	FUEL OIL STORAGE TANK #1	AO
RB2_PI262A	WINDBOX AIR-BURNER #1-GAUGE	AO
RB2_PI263	SMOOTHED PRESSURE	AO
CTOC_LY947	COOLING TOWER LEVEL CONTROL VALVE	AO
RBC_LI1014	FUEL OIL STORAGE TANK #2	AO
RB3_PI362A	WINDBOX AIR-BURNER #1-GAUGE	AO
RB3_PI363	FURNACE DRAFT -GAUGE	AO
RB3_PI335	BOILER 3 PRESSURE OUT SCALED	AO
RB3_TI352B	HTHW SUPPLY TEMP RESCALED	AO
RB1_PI135	BOILER 1 PRESSURE OUT SCALED	AO
RB1_TI152B	HTHW SUPPLY TEMP RESCALED	AO

RB2_Pi235	BOILER 2 PRESSURE OUT SCALED	AO
RB2_TI252B	HTHW SUPPLY TEMP RESCALED	AO
RCC_FT1028	TUNNEL CHW FLOW	AI
RBC_FT902	HTHW MAKEUP FLOW TRANSMITTER	AI
RCC_FT950	CHW MAKEUP FLOW TRANSMITTER	AI
RBC_PT1006	MAIN GAS HEADER PRESSURE	AI
RBC_PT1011	MAIN OIL SUPPLY HEADER PRESSURE	AI
RPC_PT1150	PLANT AIR PRESSURE	AI
RC5_JT1100	CHILLER 5 POWER METER	AI
RB1_TE167	FLUE GAS TEMPERATURE	AI
RB1_TE152A	HTHW RETURN TO BOILER TEMPERATURE	AI
RB1_TE152B	HTHW SUPPLY FROM BOILER TEMPERATURE	AI
RC1_TE501A	CHILLED WATER RETURN TEMPERATURE	AI
RC1_TE501B	CHILLED WATER SUPPLY TEMPERATURE	AI
RC4_TE801A	CHILLED WATER RETURN TEMPERATURE	AI
RC4_TE801B	CHILLED WATER SUPPLY TEMPERATURE	AI
RCC_TE970	WEST SUPPLY	AI
RB2_TE267	FLUE GAS TEMP	AI
RB2_TE252A	HTHW RETURN TO BOILER TEMPERATURE	AI
RB2_TE252B	HTHW SUPPLY FROM BOILER TEMPERATU	AI
RC2_TE601A	CHILLED WATER RETURN TEMPERATURE	AI
RC2_TE601B	CHILLED WATER SUPPLY TEMPERATURE	AI
RB4_TE452A	HTHW RETURN TO BOILER TEMPERATURE	AI
RB4_TE452B	HTHW SUPPLY FROM BOILER TEMPERATURE	AI
RCC_TE971	WEST RETURN	AI
RB3_TE367	FLUE GAS TEMP	AI
RB3_TE352A	HTHW RETURN TO BOILER TEMPERATURE	AI
RB3_TE352B	HTHW SUPPLY FROM BOILER TEMPERATU	AI
RC3_TE701A	CHILLED WATER RETURN TEMPERATURE	AI
RC3_TE701B	CHILLED WATER SUPPLY TEMPERATURE	AI
RPC_TE1053	SOUTH OUTSIDE AIR TEMP	AI
RBC_TIT906B	HTHW RETURN FROM TUNNEL	AI
RCC_TE972	EAST SUPPLY	AI
RCC_TE973	EAST RETURN	AI
RC5_TE1101A	CHILLED WATER RETURN TEMPERATURE	AI
RC5_TE1101B	CHILLED WATER SUPPLY TEMPERATURE	AI
RPC_TE1054	NORTH OUTSIDE AIR TEMP	AI
RPC_FT1125	PLANT GAS FLOW	PI
RBC_FY909	Plant Heating Valve	AO
RB4_ZS421	BNR FLAME ON	DI
RC1_ZS505	CHILLER 1 ON	DI
RB4_ZS423	BOILER 4 ALARM	DI
RB4_ZS422	GAS / OIL SELECTED	DI

RBC_PAL1007	LOW GAS PRESSURE MAIN	DI
RBC_PAH1007	HIGH GAS PRESSURE MAIN	DI
RCC_XA962	CHILLER PLANT FAN RUNNING.	DI
RCC_XA963	CHILLER PLANT COOLING TOWER ALARM	DI
RC2_ZS605	CHILLER 2 ON	DI
RBC_PAL1012	LOW OIL PRESSURE MAIN	DI
RBC_PAL1025	LOW IGNITION PRESSURE MAIN	DI
RBC_PAH1024	HIGH IGNITION PRESSURE MAIN	DI
RPC_XA1050	CHEMICAL STORAGE ROOM FIRE ALARM.	DI
RPC_XA1051	CHEMICAL STORAGE ROOM FAN FAILURE	DI
RPC_LAH1060	BASEMENT CENTRAL SUMP PUMP LEVEL	DI
RPC_LAH1061	BASEMENT NW SUMP PUMP LEVEL HIGH	DI
RC3_ZS705	CHILLER 3 ON	DI
RC4_ZS805	CHILLER 4 ON	DI
RPC_LAH1062	BASEMENT STORAGE SUMP PUMP LEVEL	DI
RPC_LAH1070	CPR TUNNEL SUMP PUMP LEVEL HIGH	DI
RPC_LAH1071	RAD LAB SUMP PIT LEVEL HIGH	DI
RC5_ZS1105	CHILLER 5 ON	DI
RPC_XA1073	WEST TUNNEL GATE OPEN	DI
RPC_ZS1150	AIR COMPRESSOR 1 ON.	DI
RPC_XA1081	ELECTRICAL VAULT TROUBLE ALARM	DI
RPC_XA1082	EMERGENCY GENERATOR	DI
RPC_LAL1083	EMERGENCY GENERATOR OIL TANK LOW	DI
RPC_PSL1087	PLANT INSTRUMENT AIR PRESS LOW	DI
RPC_PSL1089	CITY WATER PRESS LOW	DI
RPC_XA1084	BATTERY BANK GRD FLOOR ALARM	DI
RPC_XA1085	CAP. BANK BREAKER FQ1-C OFF	DI
RPC_XA1086	CAP. BANK BREAKER FQ2-C OFF	DI
RPC_XA1090	BATTERY BANK BASEMENT ALARM	DI
RPC_ZSO1091	TANK #2 FILL VLV OPEN	DI
RPC_ZSO1092	TANK #1 FILL VLV OPEN	DI
RPC_ZSO1093	TANK #1 RETURN VLV OPEN	DI
RPC_ZSO1094	TANK #1 SUPPLY VLV OPEN	DI
RPC_ZSO1095	TANK #2 SUPPLY VLV OPEN	DI
RPC_ZSO1096	TANK #2 RETURN VLV OPEN	DI
RB1_PDSL153	HTHW LOW FLOW TRIP RELAY	DO
RB2_PDSL253	HTHW LOW FLOW TRIP RELAY	DO
RB3_PDSL353	HTHW LOW FLOW TRIP RELAY	DO
RB4_PDSL453	HTHW LOW FLOW TRIP RELAY	DO
RBC_LAH1013	HIGH OIL LEVEL TANK #1	DO
RBC_LAH1014	HIGH OIL LEVEL TANK #2	DO
PLANT_HORN	Plant Horn	DO
RPC_ZY1097	OIL TANK PUMP	DO
RPC_ZY1177A	Open Bottom Water Valve	DO
RPC_ZY1099	OIL TANK PUMP	DO

RPC_ZY1098	OIL TANK PUMP	DO
RPC_ZY1152	AIR COMPRESSOR 3	DO
RPC_ZY1150	COMPRESSOR 1	DO
RPC_ZY1151	START AIR COMPRESSOR 2	DO
RPC_ZS1151	COMP 2 START	DI
RPC_ZS1152	COMPRESSOR 3 STARTED	DI
RPC_ZSO1177	Bottom Valve Open	DI
RPC_ZSC1177	Bottom Valve Closed	DI
RPC_ZSO1176	Top Valve Open	DI
RPC_ZSC1176	Top Valve Closed	DI
CTOC_AT998	Outside Outside Cooling Towers Cond output 1	AI
CTOC_PT989	Outside Outside Cooling Towers Pressure	AI
CTOC_FQ990	COOLING TOWER MAKE-UP FLOW	AI
CTOC_LT941	Outside Cooling Tower #1 WATER LEVEL	AI
CTOC_LT944	Outside Cooling Tower #4 WATER LEVEL	AI
CTOC_LT946	Outside Cooling Tower #6 WATER LEVEL	AI
CTOC_AT999	Outside Cooling Towers Cond output 2	AI
CTO1_TE981	Outside Cooling Tower 1 Return Temp.	AI
CTO2_TE982	Outside Cooling Tower 2 Return Temp.	AI
CTO3_TE983	Outside Cooling Tower 3 Return Temp.	AI
CTO4_TE984	Outside Cooling Tower 4 Return Temp.	AI
CTO5_TE985	Outside Cooling Tower 5 Return Temp.	AI
CTO6_TE986	Outside Cooling Tower 6 Return Temp.	AI
CTOC_TE987	Outside Cooling Towers Supply Temp.	AI
CTOC_TE988	Outside Cooling Towers Return Temp.	AI
CTO1_ZS915A	Outside Cooling Tower 1 Low Speed ON	DI
CTO1_ZS915B	Outside Cooling Tower 1 High Speed ON	DI
CTO6_ZS920A	Outside Cooling Tower 6 Low Speed ON	DI
CTO6_ZS920B	Outside Cooling Tower 6 High Speed ON	DI
CTOC_ZS911	Outside Cooling Tower Pump#1 ON	DI
CTOC_ZS912	Outside Cooling Tower Pump#2 ON	DI
CTOC_ZS913	Outside Cooling Tower Pump#3 ON	DI
CTOC_ZS914	Outside Cooling Tower Pump#4 ON	DI
CTO2_ZS916A	Outside Cooling Tower 2 Low Speed ON	DI
CTO2_ZS916B	Outside Cooling Tower 2 High Speed ON	DI
CTO3_ZS917A	Outside Cooling Tower 3 Low Speed ON	DI
CTO3_ZS917B	Outside Cooling Tower 3 High Speed ON	DI
CTO4_ZS918A	Outside Cooling Tower 4 Low Speed ON	DI
CTO4_ZS918B	Outside Cooling Tower 4 High Speed ON	DI
CTO5_ZS919A	Outside Cooling Tower 5 Low Speed ON	DI
CTO5_ZS919B	Outside Cooling Tower 5 High Speed ON	DI
CTOC_ZS921	Outside Cooling Tower Pump#5 ON	DI
CTO1_ZSC991A	Outside Cooling Tower 1 Return Valve Clsd	DI
CTO3_ZSO993A	Outside Cooling Tower 1 Return Valve	DI

	Open	
CTO3_ZSC993B	Outside Cooling Tower 3 Supply Valve Clsd	DI
CTO3_ZSO993B	Outside Cooling Tower 3 Supply Valve Open	DI
CTO4_ZSC994A	Outside Cooling Tower 4 Return Valve Clsd	DI
CTO4_ZSC994B	Outside Cooling Tower 4 Supply Valve Clsd	DI
CTO1_ZSO991A	Outside Cooling Tower 1 Return Valve Open	DI
CTO1_ZSC991B	Outside Cooling Tower 1 Supply Valve Clsd	DI
CTO2_ZSC992A	Outside Cooling Tower 2 Return Valve Clsd	DI
CTO2_ZSO992A	Outside Cooling Tower 2 Return Valve Open	DI
CTO2_ZSC992B	Outside Cooling Tower 2 Supply Valve Clsd	DI
CTO2_ZSO992B	Outside Cooling Tower 2 Supply Valve Open	DI
CTO3_ZSC993A	Outside Cooling Tower 3 Return Valve Clsd	DI
CTO5_ZSC995A	Outside Cooling Tower 5 Return Valve Clsd	DI
CTOC_ZSO997	Outside Cooling Towers By-pass Valve Open	DI
CTO5_ZSC995B	Outside Cooling Tower 5 Supply Valve Clsd	DI
CTO6_ZSC996A	Outside Cooling Tower 6 Return Valve Clsd	DI
CTO6_ZSO996A	Outside Cooling Tower 6 Return Valve Open	DI
CTO6_ZSC996B	Outside Cooling Tower 6 Supply Valve Clsd	DI
CTO6_ZSO996B	Outside Cooling Tower 6 Supply Valve Open	DI
CTOC_ZSC997	Outside Cooling Towers By-pass Valve Clsd	DI
CTO1_ZY915A	Outside Cooling Tower 1 Low Speed Start	DO
CTO1_ZY915B	Outside Cooling Tower 1 High Speed Start	DO
CTO6_ZY920A	Outside Cooling Tower 6 Low Speed Start	DO
CTO6_ZY920B	Outside Cooling Tower 6 High Speed Start	DO
CTOC_ZY911	Outside Cooling Tower Pump#1 START	DO
CTOC_ZY912	Outside Cooling Tower Pump#2 START	DO
CTOC_ZY913	Outside Cooling Tower Pump#3 START	DO
CTOC_ZY914	Outside Cooling Tower Pump#4 START	DO
CTO2_ZY916A	Outside Cooling Tower 2 Low Speed Start	DO
CTO2_ZY916B	Outside Cooling Tower 2 High Speed Start	DO
CTO3_ZY917A	Outside Cooling Tower 3 Low Speed Start	DO
CTO3_ZY917B	Outside Cooling Tower 3 High Speed Start	DO
CTO4_ZY918A	Outside Cooling Tower 4 Low Speed Start	DO
CTO4_ZY918B	Outside Cooling Tower 4 High Speed Start	DO
CTO5_ZY919A	Outside Cooling Tower 5 Low Speed Start	DO
CTO5_ZY919B	Outside Cooling Tower 5 High Speed Start	DO
CTOC_ZY921	Outside Cooling Tower Pump#5 START	DO
CTO1_FZO_991A	CT#1 Return Valve Open	DO

CTO3_FZC_993A	CT#3 Return Valve Close	DO
CTO3_FZO_993B	CT#3 Supply Valve Open	DO
CTO3_FZC_993B	CT#3 Supply Valve Close	DO
CTO4_FZC_994A	CT#4 Supply Valve Close	DO
CTO1_FZC_991A	CT#1 Return Valve Close	DO
CTO1_FZO_991B	CT#1 Supply Valve Open	DO
CTO1_FZC_991B	CT#1 Supply Valve Close	DO
CTO2_FZO_992A	CT#2 Return Valve Open	DO
CTO2_FZC_992A	CT#2 Return Valve Close	DO
CTO2_FZO_992B	CT#2 Supply Valve Open	DO
CTO2_FZC_992B	CT#2 Supply Valve Close	DO
CTO3_FZO_993A	CT#3 Return Valve Open	DO
CTO4_FZO_993A	CT#4 Return Valve Close	DO
CTO5_FZO_995A	CT#5 Supply Valve Open	DO
CTOC_FZC997	Cooling Towers Outside Pressure Relief Valve Closed	DO
CTOC_FZ998	Dump Valve For Cond	DO
CTO5_FZC_995A	CT#5 Supply Valve Close	DO
CTO5_FZO_995B	CT#5 Return Valve Open	DO
CTO5_FZC_995B	CT#5 Return Valve Close	DO
CTO6_FZO_996A	CT#6 Supply Valve Open	DO
CTO6_FZC_996A	CT#6 Supply Valve Close	DO
CTO6_FZO_996B	CT#6 Return Valve Open	DO
CTO6_FZC_996B	CT#6 Return Valve Close	DO
CTOC_FZO997	Cooling Towers Outside Pressure Relief Valve Open	DO
RPC_ZY1171	CHW_CS PUMP 1	DO
RPC_ZY1172	HTHW CS PUMP 2	DO
RPC_ZY1173	COOLING TOWER PUMP 3	DO
RPC_ZY1174	COOLING TOWER PUMP 4	DO
RPC_ZY1175	COOLING TOWER PUMP 5	DO
RPC_ZY1176B	Close Top Water Valve	DO
RPC_ZY1176A	Open Top Water Valve	DO
RPC_ZY1177B	Close Bottom Water Valve	DO
RB2_FT202	NATL.GAS FLOW	AI
RB2_FT229	SUPPLY OIL FLOW	AI
RB2_FT230	RETURN OIL FLOW	AI
RB2_FT258	BLR OUT WATER FLOW	AI
RB2_FT259	COMBUSTION AIR FLOW	AI
RB2_PT263	FURNACE DRAFT	AI
RB2_FY202	NATL.GAS FLOW DRIVE	AO
RB2_FY227	RETURN OIL FLOW VALVE	AO
RB2_FY258	BLR OUT WATER FLOW VALVE	AO
RB2_FY259	COMBUSTION AIR FLOW	AO
RB2_PY263	FURNACE DRAFT DRIVE	AO

RB3_FT302	NATL.GAS FLOW	AI
RB3_FT329	SUPPLY OIL FLOW	AI
RB3_FT330	RETURN OIL FLOW	AI
RB3_FT358	BLR OUT WATER FLOW	AI
RB3_FT359	COMBUSTION AIR FLOW	AI
RB3_PT363	FURNACE DRAFT	AI
RB3_FY302	NATL.GAS FLOW DRIVE	AO
RB3_FY327	RETURN OIL FLOW VALVE	AO
RB3_FY358	BLR OUT WATER FLOW VALVE	AO
RB3_FY359	COMBUSTION AIR FLOW	AO
RB3_PY363	FURNACE DRAFT DRIVE	AO
RBC_IP904A	HTHW EXP TANK MAKE-UP VLV	AI
RBC_IP904B	HTHW EXP TANK DUMP VLV	AI
RCC_IP952A	CHW EXP TANK MAKE-UP VLV	AI
RCC_IP952B	CHW EXP TANK DUMP VLV	AI
RBC_LT902	HTHW EXPANSION TANK LEVEL	AI
RBC_LT904	HTHW CUSHION TANK LEVEL	AI
RCC_LT950	CW HEAD TANK	AI
RCC_LT952	CHW CUSHION TANK LEVEL	AI
RBC_TIT906	HTHW SUPPLY TEMP FROM BOILERS.	AI
RC1_FT502	CHILLER 1 WATER FLOW	AI
RC2_FT602	CHILLER 2 WATER FLOW	AI
RC3_FT702	CHILLER 3 WATER FLOW	AI
RC4_FT802	CHILLER 4 WATER FLOW	AI
RC5_FT1102	CHILLER 5 WATER FLOW	AI
RBC_FY908	HTHW SUPPLY RETURN BYPASS	AO
RCC_FY960	CHW BYPASS BSMT E	AO
RBC_LY902	HTHW MAKE-UP VALVE	AO
RCC_LY950	CW HEAD CONTROL VALVE	AO
RC1_FY502	CHILLER 1 SHUTOFF	AO
RC2_FY602	CHILLER 2 SHUTOFF	AO
RC3_FY702	CHILLER 3 SHUTOFF	AO
RC4_FY802	CHILLER 4 SHUTOFF	AO
RC5_FY1102	CHILLER 5 SHUTOFF	AO
RBC_ZS904P1	HTHW EXP TANK PUMP 1	DI
RBC_ZS904P2	HTHW EXP TANK PUMP 2	DI
RBC_ZS904P3	HTHW EXP TANK PUMP 3	DI
RCC_ZS952P1	CHW EXP TANK PUMP 1	DI
RCC_ZS952P2	CHW EXP TANK PUMP 2	DI
RCC_LY950B	CW HEAD DUMP VALVE.	DO
CTO1_ZSO991B	Cooling Tower 1 Supply Valve Open	DI
CTO4_FZO_994A	CT#4 Supply Valve Open	DO
CTO4_FZO_994B	CT#4 Return Valve Open	DO
CTO5_ZSO995A	Cooling Tower 5 Return Valve Open	DO
CTO5_ZSO995B	Cooling Tower 5 Supply Valve Open	DO

RB1_TY906_1	BOILER 1 MASTER	AO
RB2_TY906_2	BOILER 2 MASTER	AO
RB3_TY906_3	BOILER 3 MASTER	AO
RB1_PT162B	WINDBOX AIR-BURNER #2	AI
RB2_PT262B	WINDBOX AIR-BURNER #2	AI
RBC_TY906A	SUPPLY SIGNAL FOR BOILER MASTER 1	DO
RBC_TY906B	SUPPLY SIGNAL FOR BOILER MASTER 2	DO
RBC_TY906C	SUPPLY SIGNAL FOR BOILER MASTER 3	DO
RB1_ACK	BOILER 1 ACKNOWLEDGE	BMS
RB1_GAS_LIMITS_C	GAS LIMITS	BMS
RB1_OIL_LIMITS_C	OIL LIMITS	BMS
RB1_PDSL160	FD FAN RUNNING	BMS
RB1_PDSL172	ID FAN RUNNING	BMS
RB1_PSH103	NATL. GAS PRESS HIGH	BMS
RB1_PSH107	NATL. GAS PRESS HIGH-BNR 1	BMS
RB1_PSH112	NATL. GAS PRESS HIGH-BNR 2	BMS
RB1_PSH165	FURNANCE PRESSURE HIGH - TRIPPED	BMS
RB1_PSL103	NATL. GAS PRESS LOW	BMS
RB1_PSL120	IGNITOR GAS PRESS LOW	BMS
RB1_PSL121	OIL PRESSURE LOW	BMS
RB1_PURGE_COMPLE	PURGE COMPLETE	BMS
RB1_PURGE_ON	PURGE ON	BMS
RB1_PURGESWITCH	PURGE POSITION SWITCH	BMS
RB1_REG1CLSD	BURNER 1 AIR REGISTER CLOSED	BMS
RB1_REG2CLSD	BURNER 2 AIR REGISTER CLOSED	BMS
RB1_TSH155	HTW HIGH TEMP TRIP	BMS
RB1_ZS	FLAME OUT	BMS
RB1_ZS131	BNR 1 FLAME ON	BMS
RB1_ZS132	BNR 2 FLAME ON	BMS
RB1_ZS133	GAS SELECTED	BMS
RB1_ZS133A	OIL SELECTED	BMS
RB1_ZSC102	GAS VALVE AT MIN POSTION	BMS
RB1_ZSC104	NATL. GAS UP STREAM VLV CLOSED- B	BMS
RB1_ZSC105	NATL. GAS DOWN STREAM VLV CLSD- B	BMS
RB1_ZSC106	GAS COCK VLV CLSD-BNR 1	BMS
RB1_ZSC109	NATL. GAS UP STREAM VLV CLOSED- B	BMS
RB1_ZSC110	NATL. GAS DOWN STREAM VLV CLSD- B	BMS
RB1_ZSC111	GAS COCK VLV CLSD-BNR 2	BMS
RB1_ZSC125	OIL VLV CLSD- BNR 1	BMS
RB1_ZSC126	OIL VLV CLSD- BNR 2	BMS
RB1_ZSC130	MAIN OIL SUPPLY AUTO VALVE CLOSED	BMS
RB1_ZSC141	BNR 1 AIR REGISTER CLSD	BMS
RB1_ZSC142	BNR 2 AIR REGISTER CLSD	BMS
RB1_ZSC143	COLLECTOR GATE OIL POSITION	BMS
RB1_ZSO104	NATL. GAS UP STREAM VLV OPEN- BNR	BMS

RB1_ZSO105	NATL. GAS DOWN STREAM VLV OPEN- B	BMS
RB1_ZSO109	NATL. GAS UP STREAM VLV OPEN- BNR	BMS
RB1_ZSO110	NATL. GAS DOWN STREAM VLV OPEN- B	BMS
RB1_ZSO125	OIL VLV OPEN- BNR 1	BMS
RB1_ZSO126	OIL VLV OPEN- BNR 2	BMS
RB1_ZSO127	OIL CONTROL VALVE OPEN TO MIN FIR	BMS
RB1_ZSO130	MAIN OIL SUPPLY AUTO VALVE OPEN	BMS
RB1_ZSO134	BNR 1 RECIRC VALVE OPEN	BMS
RB1_ZSO135	BNR 2 RECIRC VALVE OPEN	BMS
RB1_ZSO144	COLLECTOR GATE GAS POSITION	BMS
RB1_ZSO159	FD FAN AT PURGE POSITION	BMS
RB1_ZSO163	ID DRIVE AT PURGE POSITION	BMS
RB2_ACK	BOILER 2 ACKNOWLEDGE	BMS
RB2_GAS_LIMITS_C	GAS LIMITS	BMS
RB2_OIL_LIMITS_C	OIL LIMITS	BMS
RB2_PDSL260	FD FAN RUNNING	BMS
RB2_PDSL272	ID FAN RUNNING	BMS
RB2_PSH203	NATL. GAS PRESS HIGH	BMS
RB2_PSH207	NATL. GAS PRESS HIGH-BNR 1	BMS
RB2_PSH212	NATL. GAS PRESS HIGH-BNR 2	BMS
RB2_PSH265	FURNANCE PRESSURE HIGH - TRIPPED	BMS
RB2_PSL203	NATL. GAS PRESS LOW	BMS
RB2_PSL220	IGNITOR GAS PRESS LOW	BMS
RB2_PSL221	OIL PRESSURE LOW	BMS
RB2_PURGE_COMPLE	PURGE COMPLETE	BMS
RB2_PURGE_ON	PURGE ON	BMS
RB2_PURGESWITCH	PURGE POSITION SWITCH	BMS
RB2_REG1CLSD	BURNER 1 AIR REGISTER CLOSED	BMS
RB2_REG2CLSD	BURNER 2 AIR REGISTER CLOSED	BMS
RB2_TSH255	HTW HIGH TEMP TRIP	BMS
RB2_ZS	FLAME OUT	BMS
RB2_ZS231	BNR 1 FLAME ON	BMS
RB2_ZS232	BNR 2 FLAME ON	BMS
RB2_ZS233	GAS SELECTED	BMS
RB2_ZS233A	OIL SELECTED	BMS
RB2_ZSC202	GAS VALVE AT MIN POSTION	BMS
RB2_ZSC204	NATL. GAS UP STREAM VLV CLOSED- B	BMS
RB2_ZSC205	NATL. GAS DOWN STREAM VLV CLSD- B	BMS
RB2_ZSC206	GAS COCK VLV CLSD-BNR 1	BMS
RB2_ZSC209	NATL. GAS UP STREAM VLV CLOSED- B	BMS
RB2_ZSC210	NATL. GAS DOWN STREAM VLV CLSD- B	BMS
RB2_ZSC211	GAS COCK VLV CLSD-BNR 2	BMS
RB2_ZSC225	OIL VLV CLSD- BNR 1	BMS
RB2_ZSC226	OIL VLV CLSD- BNR 2	BMS
RB2_ZSC230	MAIN OIL SUPPLY AUTO VALVE CLOSED	BMS

RB2_ZSC241	BNR 1 AIR REGISTER CLSD	BMS
RB2_ZSC242	BNR 2 AIR REGISTER CLSD	BMS
RB2_ZSC243	COLLECTOR GATE OIL POSITION	BMS
RB2_ZSO204	NATL. GAS UP STREAM VLV OPEN- BNR	BMS
RB2_ZSO205	NATL. GAS DOWN STREAM VLV OPEN- B	BMS
RB2_ZSO209	NATL. GAS UP STREAM VLV OPEN- BNR	BMS
RB2_ZSO210	NATL. GAS DOWN STREAM VLV OPEN- B	BMS
RB2_ZSO225	OIL VLV OPEN- BNR 1	BMS
RB2_ZSO226	OIL VLV OPEN- BNR 2	BMS
RB2_ZSO227	OIL CONTROL VALVE OPEN TO MIN FIR	BMS
RB2_ZSO230	MAIN OIL SUPPLY AUTO VALVE OPEN	BMS
RB2_ZSO234	BNR 1 RECIRC VALVE OPEN	BMS
RB2_ZSO235	BNR 2 RECIRC VALVE OPEN	BMS
RB2_ZSO244	COLLECTOR GATE GAS POSITION	BMS
RB2_ZSO259	FD FAN AT PURGE POSITION	BMS
RB2_ZSO263	ID DRIVE AT PURGE POSITION	BMS
RB3_ACK	BOILER 3 ACKNOWLEDGE	BMS
RB3_GAS_LIMITS_C	GAS LIMITS	BMS
RB3_OIL_LIMITS_C	OIL LIMITS	BMS
RB3_PDSL360	FD FAN RUNNING	BMS
RB3_PDSL372	ID FAN RUNNING	BMS
RB3_PSH303	NATL. GAS PRESS HIGH	BMS
RB3_PSH307	NATL. GAS PRESS HIGH-BNR 1	BMS
RB3_PSH312	NATL. GAS PRESS HIGH-BNR 2	BMS
RB3_PSH365	FURNANCE PRESSURE HIGH - TRIPPED	BMS
RB3_PSL303	NATL. GAS PRESS LOW	BMS
RB3_PSL320	IGNITOR GAS PRESS LOW	BMS
RB3_PSL321	OIL PRESSURE LOW	BMS
RB3_PURGE_COMPLE	PURGE COMPLETE	BMS
RB3_PURGE_ON	PURGE ON	BMS
RB3_PURGESWITCH	PURGE POSITION SWITCH	BMS
RB3_REG1CLSD	BURNER 1 AIR REGISTER CLOSED	BMS
RB3_REG2CLSD	BURNER 2 AIR REGISTER CLOSED	BMS
RB3_TSH355	HTW HIGH TEMP TRIP	BMS
RB3_ZS	FLAME OUT	BMS
RB3_ZS331	BNR 1 FLAME ON	BMS
RB3_ZS332	BNR 2 FLAME ON	BMS
RB3_ZS333	GAS SELECTED	BMS
RB3_ZS333A	OIL SELECTED	BMS
RB3_ZSC302	GAS VALVE AT MIN POSTION	BMS
RB3_ZSC304	NATL. GAS UP STREAM VLV CLOSED- B	BMS
RB3_ZSC305	NATL. GAS DOWN STREAM VLV CLSD- B	BMS
RB3_ZSC306	GAS COCK VLV CLSD-BNR 1	BMS
RB3_ZSC309	NATL. GAS UP STREAM VLV CLOSED- B	BMS
RB3_ZSC310	NATL. GAS DOWN STREAM VLV CLSD- B	BMS

RB3_ZSC311	GAS COCK VLV CLSD-BNR 2	BMS
RB3_ZSC325	OIL VLV CLSD- BNR 1	BMS
RB3_ZSC326	OIL VLV CLSD- BNR 2	BMS
RB3_ZSC330	MAIN OIL SUPPLY AUTO VALVE CLOSED	BMS
RB3_ZSC341	BNR 1 AIR REGISTER CLSD	BMS
RB3_ZSC342	BNR 2 AIR REGISTER CLSD	BMS
RB3_ZSC343	COLLECTOR GATE GAS POSITION	BMS
RB3_ZSO304	NATL. GAS UP STREAM VLV OPEN- BNR	BMS
RB3_ZSO305	NATL. GAS DOWN STREAM VLV OPEN- B	BMS
RB3_ZSO309	NATL. GAS UP STREAM VLV OPEN- BNR	BMS
RB3_ZSO310	NATL. GAS DOWN STREAM VLV OPEN- B	BMS
RB3_ZSO325	OIL VLV OPEN- BNR 1	BMS
RB3_ZSO326	OIL VLV OPEN- BNR 2	BMS
RB3_ZSO327	OIL CONTROL VALVE OPEN TO MIN FIR	BMS
RB3_ZSO330	MAIN OIL SUPPLY AUTO VALVE OPEN	BMS
RB3_ZSO334	BNR 1 RECIRC VALVE OPEN	BMS
RB3_ZSO335	BNR 2 RECIRC VALVE OPEN	BMS
RB3_ZSO344	COLLECTOR GATE OIL POSITION	BMS
RB3_ZSO359	FD FAN AT PURGE POSITION	BMS
RB3_ZSO363	ID DRIVE AT PURGE POSITION	BMS
METERING		
BUILDING		CODE
Tupper	HIGH TEMPERATURE HOT WATER	R-1
Tupper	CHILLED WATER	R-1
Tupper	ELECTRICAL	R-1
Cafeteria Canada Post	HIGH TEMPERATURE HOT WATER	R-3
Cafeteria Canada Post	CHILLED WATER	R-3
Cafeteria Canada Post	ELECTRICAL	R-3
Annex B Canada Post	HIGH TEMPERATURE HOT WATER	R-4
Annex B Canada Post	CHILLED WATER	R-4
Annex B Canada Post	ELECTRICAL (3 INPUTS)	R-4
Annex C Canada Post	HIGH TEMPERATURE HOT WATER	R-7
Annex C Canada Post	CHILLED WATER	R-7
Annex C Canada Post	ELECTRICAL	R-7
Insurance	HIGH TEMPERATURE HOT WATER	R-8
Insurance	CHILLED WATER	R-8
Insurance	ELECTRICAL	R-8
Tilley	HIGH TEMPERATURE HOT WATER	R-10
Tilley	CHILLED WATER	R-10
Tilley	ELECTRICAL	R-10
Drake	HIGH TEMPERATURE HOT WATER	R-11
Drake	CHILLED WATER	R-11
Drake	ELECTRICAL	R-11
R. A. Centre	HIGH TEMPERATURE HOT WATER	R-12

R. A. Centre	ELECTRICAL	R-12
Radiation Protection	HIGH TEMPERATURE HOT WATER	R-13A
Radiation Protection	CHILLED WATER	R-13A
Radiation Protection	ELECTRICAL	R-13A
Radiation Protection	HIGH TEMPERATURE HOT WATER	R-13B
National Revenue	HIGH TEMPERATURE HOT WATER	R-14
National Revenue	CHILLED WATER	R-14
National Revenue	ELECTRICAL (2 INPUTS)	R-14

END - SCOPE OF WORK



Contract Number / Numéro du contrat 8M13-0076-11
Security Classification / Classification de sécurité UNCLASSIFIED

**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	Public Works and Government Services Canada
2. Branch or Directorate / Direction générale ou Direction Real Property Branch	
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 5 Year BACS Contract at Confed Heights CHP	
5. a) Will the supplier require access to Controlled Goods? Le fournisseur aura-t-il accès à des marchandises contrôlées?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> 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? (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)	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> Yes / Oui
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.	<input type="checkbox"/> No / Non <input checked="" type="checkbox"/> 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?	<input checked="" type="checkbox"/> No / Non <input type="checkbox"/> 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 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 type="checkbox"/>	All NATO countries Tous les pays de l'OTAN <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"/>
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 type="checkbox"/>	NATO UNCLASSIFIED NATO NON CLASSIFIÉ <input type="checkbox"/>
PROTECTED B PROTÉGÉ B <input type="checkbox"/>	NATO RESTRICTED NATO DIFFUSION RESTREINTE <input type="checkbox"/>
PROTECTED C PROTÉGÉ C <input type="checkbox"/>	NATO CONFIDENTIAL NATO CONFIDENTIEL <input type="checkbox"/>
CONFIDENTIAL CONFIDENTIEL <input type="checkbox"/>	NATO SECRET NATO SECRET <input type="checkbox"/>
SECRET SECRET <input type="checkbox"/>	COSMIC TOP SECRET COSMIC TRÈS SECRET <input type="checkbox"/>
TOP SECRET TRÈS SECRET <input type="checkbox"/>	
TOP SECRET (SIGINT) TRÈS SECRET (SIGINT) <input type="checkbox"/>	
	PROTECTED A PROTÉGÉ A <input type="checkbox"/>
	PROTECTED B PROTÉGÉ B <input type="checkbox"/>
	PROTECTED C PROTÉGÉ C <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"/>



Contract Number / Numéro du contrat 8M13-0076-11
Security Classification / Classification de sécurité UNCLASSIFIED

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 type="checkbox"/> RELIABILITY STATUS
COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL
CONFIDENTIEL | <input checked="" 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 | | | |

ONLY SECURITY CLEARED PERSONNEL TO BE UTILIZED

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	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET COSMIC TRÈS SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET	
				CONFIDENTIEL		TRÈS SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL			A	B	C	CONFIDENTIEL		TRÈS SECRET	
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).