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SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

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

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

Comments - Commentaires

Title - Sujet Dorchester, Boiler Plant Upgrade	
Solicitation No. - N° de l'invitation EC016-150402/A	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client R.061841.001	**Date** 2014-08-06
GETS Reference No. - N° de référence de SEAG PW-$PWB-020-3436	
File No. - N° de dossier PWB-4-37032 (020)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à** 02:00 PM **on - le** 2014-08-12	**Time Zone** **Fuseau horaire** Atlantic Daylight Saving Time ADT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☐ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Donovan, Janine PWB	**Buyer Id - Id de l'acheteur** pwb020
Telephone No. - N° de téléphone (506) 636-5347 ( )	**FAX No. - N° de FAX** (506) 636-4376
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	**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**

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Canada

Cette modification de l'invitation numéro un (1) est soumise et comprend la modification numéro un (1) suivante.

La modification qui suit apportée aux documents de soumission entre en vigueur dès maintenant. L'addenda fera partie des documents de contrat.

Toutes autres conditions ne changent pas.

1. SITE VISIT ATTENDEES

Individual	Company
Kevin Roy	King Construction Ltd.
Christopher Wade	GJ Cahill Ltd.
Darrell Pothier	GJ Cahill Ltd.
Trevor saulnier	OCI Maritimes Construction Ltd.
Richard Dunham	Maritime Pressure Works Ltd.
Joseph Urquhart	Leroy's Heating Servies Ltd.
Adrien Henri	Black and McDonald
Thomas LeBlanc	Black and McDonald
Frederick Desjardins	Black and McDonald
Alex Fullerton	Lindsay Construction
David Stymiest	FlagshipConstruction Ltd.
Sylvio Landry	Georges Plumbing and Heating (1985) Ltd.
Daniel Verret	Georges Plumbing and Heating (1985) Ltd.
Joshua Rudolph	F. C. O'Niell, Scriven & Associates Limited
David MacPherson	CSC
Robert Wheaton	PWGSC
Janine Donovan	PWGSC

2. SPECIFICATION

Note: **All accepted alternates are responsible to provide turnkey packages that meet or exceed all items shown on the drawings and in the specs including piping and controls. They must also fully integrate to the existing system and controls.**

1. **Section 23 05 93 – Testing, Adjusting and Balancing for HVAC:**
   - **a.** Refer also to Drawing M3.
     1. Contractor to provide 1/2"dia. schedule 40 pressure sensing pipe lines across each of the existing feedwater and condensate tank pumps to be complete with shut-off valves and common pressure gauge. To allow the TAB contractor to verify flow rates.

2. **Section 23 21 14 – Hydronic Specialties, page 3 Paragraph 2.3.6 – Alternate Manufactures:**
   a. ADD : 1. "Flo Fab"

3. **Section 23 21 14 – Hydronic Specialties, page 3 Paragraph 2.4.9 – Alternate Manufactures:**
   a. ADD : 1. "Flo Fab"

4. **Section 23 21 23 – Hydronic Pumps, page 3 Paragraph 2.1 – Alternate Manufactures:**
   a. ADD : 1. "Flo Fab"

5. **Section 23 21 23 – Hydronic Pumps, page 2 Paragraph 2.1:**
   a. Replace – Base-Mounted Pumps with:
   *Vertical In-line Pumps*1

1. Volute: Cast iron radially split, with tapped openings for venting, draining and gauge connections, with screwed or flanged suction and discharge connections.
2. Impeller: Cast or bronze.
3. Shaft: Stainless steel with bronze sleeve bearing, integral thrust collar.
4. Seal assembly: Mechanical for service up to 240 F.
5. Coupling: Rigid self-aligning.
6. Motor: resilient mounted, drip proof, sleeve bearing, 1750 rpm, non-overloading.
7. Capacity: As indicated.
8. Design pressure: 175 psig.
9. Acceptable material: Armstrong, Taco, B&G, Grundfos.

6. **Section 23 51 00 – Breeching, Chimneys and Stacks, page 4 Paragraph 2.2.5.1 – Alternate Manufactures:**
   a. ADD : 1. "Cleaver-Brooks"
   2. "Schebler"

7. **Section 23 51 00 – Breeching, Chimneys and Stacks, page 5 Paragraph 2.5 – Alternate Manufactures:**
   a. ADD : 1. "Cain Industries"
   2. "Cleaver-Brooks"
   3. "HeatSponge"

8. **Section 23 52 00 - Heating Boilers, page 1 Paragraph 1.1.1.1.5 – Alternate Manufactures:**
   a. ADD : 1. "Boilersmith c/w Weishaupt burners"
   2. "Hurst c/w Oilon burners"

8. **Spec section 23 52 00 page 10 Paragraph 2.4.6.7.8B**:

a. Should read: Cleaver Brooks model CBEX 200-100-30 min. 2 pass firetube boiler with enhanced tube design to promote turbulent flow and increased heat transfer.

9. <u>Spec section 23 52 00 page 5 Paragraph 2.2.1.1:</u>

a. Should read: Packaged, dry-back, minimum 2 pass, Scotch Marine type, with 29.8 kW/m2, total effective fire-side heating surface of 38.7 m2.

3. **<u>DRAWINGS</u>**

1. <u>Reference Drawing M2 of 10:</u>

a. Contractor is responsible to allow for offsets and routing of the new boiler stacks.

2. <u>Reference Drawing M2 of 10:</u>

a. Delete all reference to relocating existing unit heater # 6.

b. Replace existing vertical unit heater # 7 with new horizontal unit heater Engineered Air model H1 or equivalent.

3. <u>Reference Drawing M3 of 10:</u>

a. Revise Note: All new make-up water piping to be 316 S.S. refer to specs for S.S. piping requirements. (Not Schedule 80)

4. <u>Reference Drawing M9 of 10:</u>

a. Revise sequence to read:

"NORMAL" NATURAL GAS FIRING SEQUENCE

1. DEARATOR LEVEL CONTROL SENDS A SIGNAL TO THE MAKE-UP WATER VALVE “MU2” TO MAINTAIN THE LEVEL IN THE DEARATOR.
2. VALVE “DV1” NORMALLY SENDS ALL CONDENSATE RETURN DIRECTLY TO THE DEARATOIR.
3. IF SECOND STAGE OUTLET WATER TEMPERATURE CONTROL CONTINUES TO SENSE STEAMING, VALVE “DV1” MODULATES TO DIVERT CONDENSATE THROUGH THE SECOND STAGE OF THE ECONOMIZER THEREBY INCREASING FLOW.
4. IF SECOND STAGE OUTLET WATER TEMPERATURE CONTROL CONTINUES TO SENSE STEAMING, VALVE “MU1” IS OPENED TO ADD MORE COLD MAKE-UP WATER.
5. BOILER LEVEL CONTROL SENDS A SIGNAL TO VALVE “1G or 2G” TO MAINTAIN LEVEL IN THE BOILER.
6. VALVES “MU1”, “1H & 2H”, & “DV1” ARE MODULATING VALVES, ALL OTHERS ARE NOT.
7. VALVES “1H & 2H” BALANCE THE FLOW THROUGH EACH ECONOMIZER IN PROPORTION TO THE FIRING RATE OF EACH

BOILER AND CAN ALSO BE TRIMMED BY THE SECOND STAGE OUTLET WATER TEMPERATURE.

b. Revise sequence to read:

OIL FIRING SEQUENCE

UNDER ANY MAKE-UP WATER CONDITION:

1. VALVES “1A / 2A” AND “1B / 2B” MUST BE CLOSED WHILE “1C / 2C” IS IN THE OPEN TO DIVERT MAKE-UP WATER DIRECTLY TO THE DEARATOR. BY PASSING THE SECOND STAGE PREVENTS CONDENSATION WITHIN THE ECONOMIZER.
2. IF VALVE “1F / 2F” MUST BE CLOSED WHILE VALVES “1D / 2D” AND “1E / 2E” ARE OPENED TO ROUTE FEEDWATER THRU THE SECOND STAGE TO PREVENT STEAMING IN THE SECOND STAGE COILS.
3. WHEN SWITCHING BACK TO NATURAL GAS FIRING, RETURN VALVES “1A / 2A” THRU “1F / 2F” BACK TO THEIR ORIGINAL POSITIONS FOR OPTIMAL EFFICIENCY GAIN.

5. <u>Reference Drawing M10 of 10:</u>

a. Boiler Schedule – Existing 500hp boiler number 4: Delete the O2 trim and flue gas recirculation.

4. **<u>QUESTIONS AND ANSWERS</u>**

Q1: Why was the boiler taken out of service?

A1: Tube were cracked; too much money to repair and 700HP boiler no longer required for current demand.

Q2: Is there a place for dumpsters?

A2: A dumpster could be rented and put next to the boiler room (so long as contractor keeps it locked at all time).

Q3: When was the boiler discontinued?

A3: The 700HP boiler was put out of service over 5 years ago.