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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**

**Vendor/Firm Name and Address  
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**Issuing Office - Bureau de distribution**  
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V6Z 0B9

<b>Title - Sujet</b> Buoy Maintenance Bldg HVAC Upgrades	
<b>Solicitation No. - N° de l'invitation</b> F1700-184014/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> F1700-184014	<b>Date</b> 2019-09-11
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-028-8649	
<b>File No. - N° de dossier</b> PWY-9-42059 (028)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-09-17</b>	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Lam (PWY), Tian	<b>Buyer Id - Id de l'acheteur</b> pwy028
<b>Telephone No. - N° de téléphone</b> (604) 363-7968 ( )	<b>FAX No. - N° de FAX</b> (604) 775-6633
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DFO - CCG Base - Victoria, BC	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

Solicitation No. - N° de l'invitation  
F1700-184014/A

Amd. No. - N° de la modif.  
003

Buyer ID - Id de l'acheteur  
pwy028

Client Ref. No. - N° de réf. du client

File No. - N° du dossier CCC No./N°

CCC - FMS No./N° VME

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Les documents seront disponibles en français sur demande.

The Solicitation Amendment 003 is raised to issue Addendum No. 1.

Please see Addendum No. 1 herein.

The Hazardous Building Materials Assessments is found on the buyandsell solicitation webpage under the header "Attachments". The file is entitled: VCB HBMS Assessment 2019.

All other terms and conditions remain unchanged.

## **Addendum No.1**

**Date:** September 10, 2019

**Description:** F1700-184014 CCG Buoy Maintenance Building HVAC Upgrades

This addendum is in addition to and forms part of the Contract. The cost, if any, of this revision(s) shall be included in the Contract Price.

### **Specifications:**

Section 23 05 05 Installation of pipework, Clause 3.5 Drains. **ADD** clause .5 as follows:  
“Condensate piping material shall be copper or schedule 40 steel piping. Condensate piping to be insulated with TIAC Code C-2 insulation as indicated in section 23 07 15 Thermal insulation for piping. No jacket is required for this piping when installed indoors.”

### **Mechanical & Electrical Drawings:**

#### **1.1 ME-1: Legends, Site Plan, Site, Schedules and Drawing List**

1.1.1 In the Heat Pump Split System – Outdoor Unit Schedule, Tag HP-200, **REVISE:** “The model number from 24RCL to AOU18RLFC, the cooling capacity from 7.9 to 5.9 kW, the heating capacity from 7 kW to 6.2 kW.”

1.1.2 In the Heat Pump Split System – Indoor Unit Schedule, **ADD:** The following to Note 1:  
”Provide interface kit, Dry contact kit and BACnet interface device as required to allow the DDC system to monitor, enable/disable and reset temperature control set point for each indoor unit. A programmable, hard wired thermostat is still required.”

1.1.3 In the Heat Pump Split System – Indoor Unit Schedule, Tag FC-2, **REVISE:** “The model number from ARU24RLFL to ARU18RLF, the DX Coil Volume from 390 to 260 l/s.

#### **1.2 ME-3: Ground Floor Plan - New**

1.2.1 Drawing Note number 15, **ADD** the following to the end of the note: “The contractor shall allow for the modification/relocation/replacement of; existing 12 ceiling supports, 6 ductwork supports, 2 piping supports, 4 sets of misc. wiring and one elect conduit 20 mm diam and less for each indoor heat pump and associated supply and return ductwork and for the new ventilation supply air ductwork serving HRV-1. If the average number of modifications/relocations exceed this allowance, a change to the contract will be made.”

**General Inquiries/Clarifications:**

**Question No 1:** Contractor cannot determine this without full review of the area above ceiling/performing selective demolition as it cannot be seen/reviewed during 1-hour site visit. Can this be carried as a cash allowance as it cannot be determined/confirmed prior to tender closing based on current provided drawings?

**Answer:** No cash allowance will be allowed. The number of existing hangers, wiring and small conduit to be allowed for is clarified under Items 1.2 under the heading “Mechanical & Electrical Drawings” of this addendum.

**Question No 2:** Are security escorts required for contractors with reliability status?

**Answer:** No escorts are required if the Contractor has been screened for reliability status. For Contractors without reliability status, DFO will provide security escorts.

**Question No 3:** Is there a hazmat building assessment available ?

**Answer:** Yes. The hazmat building assessment report will be included as an appendix.

**Question No 4:** The air to water heat pump comes with an internal glycol mix tank. As well drawing note 5 on M0.01 indicates there is a glycol mix tank next to the 2 storage tanks. Do we have 2 glycol mix tanks? If we do what size ids the on the floor?

**Answer:** Yes there are two places to add glycol to the system. This provides the ability to re-charge the system from the roof or from the floor of the building. The capacity of the floor mounted glycol mixing tank shall be a minimum of 100 litres. The mixing tank at floor level shall be provided with a manual or 120 V, single phase, hydronic pump to pump glycol mixture into the system. The Contractor shall also provide an instrument for testing the glycol solution to measure it's freezing temperature

**Question No 5:** Can we get a specification on the storage tanks? AMSE rated? Insulated and jacket?

**Answer:** The Storage tanks are to be AMSE rated. The capacity, insulation, tank material and jacket shall be as noted in the Glycol Storage Tank Equipment Schedule on ME-1. Insulation may be integral to the tanks or installed on site. The tanks shall be suitable for hydronic operating pressures of 690 kPa at 100 C.

**Question No 6:** What is the style of the Trane Unit heaters? Forced Water, Serpentine horizontal or vertical?

**Answer:** As indicated by the “P” model numbers in the Equipment Schedules on ME-1, the Units Heaters are hydronic, down discharge type. The unit heaters shall have seamless copper pipes bonded to aluminum fins and be suitable for operating pressures of 690 kPa (125 psi) at

100 C. Supply and return connections to be threaded steel. Motors shall be totally enclosed with thermal overload protection and permanently lubricated ball bearings.

**Question No 7:** Mechanical drawings seem to lack required electrical information. There is no electrical data on the existing mechanical equipment being removed?

**Answer:** The existing xAHU-3 has the same electrical motor size as the new AHU-3. The other two air handling units are being removed. As indicated on Drawing ME-3 and 4, the redundant electrical wiring is to be removed and new electrical feeds are to be provided.

**Question No 8:** How do we determined what is re-re and what equipment requires new feeds?

**Answer:** As indicated on ME-3, new electrical feeds are being provided for new equipment. The drawings identify the size and where these new feeds connect to existing electrical distribution panels. It is expected that parts of the electrical feed to AHU-3 will be re-used when it is modified. Any new wiring required for AHU-3 shall match the existing service (3-#6 + 1 #8 Grn Grnd in min 25 mm conduit). If the electrical Contractor wants to re-use existing, redundant wiring or conduit, it will be permitted where appropriate and if the Contractor can confirm wiring/conduit is suitable and in good condition.

**Question No 9:** There are wiring descriptions in the drawing notes but are very hard to follow without proper electrical design, this leaves to much assumption and risk.

**Answer:** The drawings indicate electrical feed sizes and connection points. Contractors were also given the opportunity to review the site during the bidding site meeting.

**Question No 10:** Section 25 30 01 Part 2.1. – Operator Interface calls for an operator workstation. The facility manager already has a dedicated laptop for the system; is an additional workstation to be supplied?

**Answer:** Yes, a new, dedicated laptop is to be provided in addition to the existing workstation.

**Question No 11:** Section 25 30 01 Clause 2.2. – Web Server. The current software on the facility is not web-based. Is the intent to upgrade the software at the facility to be web based, and operate on a web server/web software provided under this contract?

**Answer:** No, the intent is not to upgrade existing software to be web-based. The intent was for new software to be web-based, if possible. However, if this is not possible due to compatibility issues, the new software is not required to be web-based.

**Question No 12:** Do you have a material type for the condensate piping ?

**Answer:** The material to be used for condensate piping is copper or schedule 40 steel piping. A change has been made to the “Specifications” section in this addendum to clarify.

**End of Addendum No.1**