

# Addendum Addenda

No./No  4
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Project Description / Description de projet <b>M7 Remplacement du refroidisseur et des pompes à chaleur</b>		
Project No./No de projet <b>5988</b>	Departmental Representative / représentant ministériel <b>Al MacKenzie</b>	Date <b>3-Oct-2022</b>
Solicitation No./N° de sollicitation <b>22-58045</b>		
Notice: This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.		
Nota: Cet addenda fait partie intégrale des dossiers d'appel; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.		

Item No	Description
4.1	<p><b><u>Questions and Answers</u></b></p> <p>4.1.1. Question - The tender form asks for a schedule to be submitted with the bid and the spec states work to be done in 46 weeks after award. However, the spec does not state we need to leave the existing chiller in operation. Are we permitted to perform all demo and work on the install this winter and into summer 2023? Or does chiller need to be in operation on a certain date ( pending new equipment delivery timeframes)</p> <p>4.1.1. Answer - We recommend allowing a 1 month time frame during the winter months to perform required equipment installations within mechanical room and associated system switchover. Remainder of work outside of mech room to be completed/roughed in prior to scheduled shutdown. Work may need to take place next winter, as equipment lead times will likely not permit this work be executed/completed this winter season.</p> <p>4.1.2. Question - Regarding 23 05 17, please confirm that 10% of all welds need to be X rayed.</p> <p>4.1.2. Answer - Correct, 10% of all welds to be tested via an approved method.</p> <p>4.1.3. Question - Can we use phased array NDT testing in lieu of Xray ( widely accepted and acceptable with TSSA).</p> <p>4.1.3. Answer - Phased array NDT testing is acceptable.</p> <p>4.1.4. Question - The welding psec calls for welded pipe on all piping, but the BF valve spec (23-05-23.01) states grooved, please clarify.</p> <p>4.1.4. Answer - All piping to be welded as per specifications, grooved not acceptable.</p> <p>4.1.5. Question - Are we permitted to use Crane Butterfly valves ( lug style – see attached) in lieu of grooved?</p> <p>4.1.5. Answer - Proposed lug style BF valve is acceptable.</p>

4.2 **Alternate Materials**

4.2.1. Additional alternate equipment that has been requested:

23 21 16 2.6	Buffer Tank	Add: Bell&Gossett
23 21 16 2.5	Glycol Fill Station	Add: Bell&Gossett
23 21 23	Hydronic pumps	Add: Bell&Gossett
23 57 00	Heat Exchangers for HVAC	Add: Bell&Gossett
23 64 26	Air Cooled Chiller	Add: Aermec NRL
23 81 40	Air and water source unitary heat pumps	Add: Daikin
26 29 23	VFDs	Add: Danfoss

Proposed equal equipment manufacturers are acceptable provided the proposed product is equal to or better than the basis of design product, and meets performance requirements as indicated on drawings and specifications. Any alterations to the design that may be required to accommodate proposed equipment is to be at no extra cost to client. Additional engineering time required to review equipment of different configurations and modify design if necessary, shall be billable back to the contractor at the NRCs discretion.

4.3 **Site Visit Attendance Sheets**

The Site Visit attendance sheets are attached.

**End**



**Mandatory Site Visit Attendance / Visite de chantier obligatoire**

Project Description / Description de projet

M7 Chiller and Heat Pump Replacements / M7 Remplacement du refroidisseur et des pompes à chaleur

Closing Date / Date de fermeture

October 4, 2022

2:00 PM

Solicitation No./N° de sollicitation

22-58045

Project No./No de projet

5988

1st Showing / 1er visite

September 20, 2022

9:00 AM

Departmental Representative / représentant

Al Mackenzie *Sally Ferreira*

Signature

*[Signature]*

Alternate / Substituts

September 23, 2022

Question

September 27, 2022

2nd Showing / 2ieme visite

September 21, 2022

9:00 AM

COMPANY/ENTREPRENEUR	NAME/NOM	SIGNATURE	PHONE/TELEPHONE	EMAIL/COURRIEL
Plan Group	Col Johnson	<i>[Signature]</i>	342 548 9426	ColJohnson@PlanGroup.com
Plan Group	Jacel Thomas	<i>[Signature]</i>	615-797-6940	JacThomas@Plan-Group.com
PSL Mech	Keith Colwell	<i>[Signature]</i>	613 316 2169	Keith@PSLmechanical.com
Mackenzie Mech	Chris Smith	<i>[Signature]</i>	613-668-8573	Chris@M'Noltz.ca
TPH	D. N. Nelson	<i>[Signature]</i>	613 945 0100	TPH@TPHINC.ca
SK Sheetmetal	Wyatt Nicolson	<i>[Signature]</i>	413 808 5247	Wyatt@sksheetmetal.ca
ClimateWORKS	Giles Suetter	<i>[Signature]</i>	613 552-0978	Estimating@climateworks.ca
Thompson Brown Works	Glenn Thompson	<i>[Signature]</i>	613-822-4099	Estimate@thompsonbrownworks.ca
Barker	Alex Boucher	<i>[Signature]</i>	613-258-7450	amboucher@barker.com
3V MECH & NICKS	BILL & ALYSS	<i>[Signature]</i>	613-299-1799	bill@3VMECHANICAL.ca
100 Islands Mechanical	Mike McKernan	<i>[Signature]</i>	613 382 4719	Mike@100islandsmech.com
DHJ Management	Ferry Loic d'Amour	<i>[Signature]</i>	819 328 3894	FLoic@dhjmanagement.ca
Raymond Group	André-Félix Gervais	<i>[Signature]</i>	815-360-1619	afgervais@raymond.ca

