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TPSGC**

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Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

**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

E-mail/Courriel: mark.walton@pwgsc-tpsgc.gc.ca

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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Ontario
K1A 0S5

Title - Sujet VORTEX STEAM METERS	
Solicitation No. - N° de l'invitation 31184-194485/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client 31184-194485	Date 2019-07-04
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-903-77219	
File No. - N° de dossier pv903.31184-194485	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2019-07-15	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Walton, Mark	Buyer Id - Id de l'acheteur pv903
Telephone No. - N° de téléphone (343) 550-1661 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

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

This amendment is raised to distribute answers to bidders' questions as detailed below.

Q5: Due to the requirement of having an overall accuracy of $\pm 2\%$ of the measurement (mass flow) throughout the range shown in Table 2 – Meter Schedule (min/max) it may be necessary to use a pressure measurement device for input into the calculator to achieve this. Although this is not shown as a requirement, will this be acceptable?

A5: Yes, the addition of a pressure measurement device to meet the 2% accuracy will be accepted. However, the Bidder must clearly indicate on his sizing calculations sheet for which vortex meter(s) an additional pressure measurement is included, and provide a datasheet of the pressure reading device.

Q4: We are assuming that the accuracy measurement is based on mass flow and energy, and not on volumetric flowrate measurement, is this correct?

A4: Yes, the 2% accuracy must be based on the mass flow reading (e.g. lbs/hr), as shown in Table 2.

Q3: The pipe schedules associated with each of the flow meters were not listed. We would like to know if the associated pipes are SCH40 or SCH80 pipe for these applications.

A3: There is no information available on the current piping system besides the material (steel) and class rating.

Q2: For one of our suppliers for VOR-01, 02, and 03, our pressure and flows are not high enough to capture flow with a line sized or downsized vortex meter. Can you find out if the engineer would be OK with an insertion style steam meter for the 3 above?

A2: Insertion meters will not be accepted. Only meters with proper reducers will be accepted. See mandatory criterion 3a in original RFP: "The meter must be an in-line vortex flowmeter with integrated temperature measurement. NRC will not consider insertion type meters."

Q1: The RFP doesn't quite mention the media type; we assume that this is steam, but we will need to know whether it is saturated or superheated steam; and if superheated, we will need the operating temperature.

A1: The media is saturated steam.

All other terms and conditions of the original bid solicitation remain unchanged.