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11 LaurierSt./ 11, rue Laurier  
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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**

This document contains a security requirement

**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

<b>Title - Sujet</b> Federal Building Initiative - EC	
<b>Solicitation No. - N° de l'invitation</b> EP076-150596/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> 20150596	<b>Date</b> 2015-07-28
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$FK-289-67504	
<b>File No. - N° de dossier</b> fk289.EP076-150596	<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 2015-08-31</b>	
<b>Time Zone</b> Fuseau horaire Eastern Daylight Saving Time EDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Maquiling(fk div), Amalia O.	<b>Buyer Id - Id de l'acheteur</b> fk289
<b>Telephone No. - N° de téléphone</b> (819) 956-5978 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3600
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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This solicitation amendment 003 is issued to answer questions raised by the industry.

Q1 Who holds the 10% reserve and pays the interest on it?

*R1 GC 28.1.1 states, "The remaining ten percent (10%) of monthly Energy Savings will be retained by the Department as a Project Reserve." Further, GC 28.1.1.1 defines the mechanism for calculating the interest rate on this reserve.*

Q2 In Clause 28.6.2, upon reconciliation if the savings shortfall is less than the reserve then Canada will pay the balance of reserve over to ESCO. Does this mean the reserve is only applicable to the first M&V reconciliation and thereafter the level of savings is deemed for duration of contract/ amortization, i.e. permanent adjustment?

*R2 As stated in GC 28.4, at least once every 12 months, the ESCo must prepare a comparison of the forecasted schedule of Energy Savings and the actual energy savings. This annual reconciliation of energy savings is performed over the entire length of the contract.*

Q3 All of the various provisions for voluntary prepayments without penalty and/or adjustments as outlined in 28.6, 28.7, 28.8, 28.9 and 28.18 are difficult to accommodate at an interval where the financing is on a fixed rate basis but easily accommodated during a period of floating rate financing. Is it acceptable to respond putting a caveat that these prepayment/adjustment privileges will only enjoy no penalty so long as financing is floating rate? The idea would be that fixing the rate would be contained to the period of time after reconciliation has been completed to maximize rate efficiency.

*R3 The ESCo, in preparing their response to requirement PRE 4.3.2 must clearly define the conditions for prepayment of the Project Balance, in whole or in part, for both Floating Rate and Fixed Rate financing. Each ESCo will have a different set of terms and conditions for financing with their Assignee.*

*If there is a difference in the penalty structure between the Floating Rate and Fixed Rate scenarios, (including a zero penalty for prepayment of the Project Balance) the ESCo must CLEARLY define what the penalties incurred will be. To aid in clarifying the impact of these different financing regimes, the RFP specifically asks for the ESCo to define what the penalty will be for two specific scenarios stated in PRE 4.3.2. The intent of the response is to provide clear guidance during the extent of the FBI Contract for what charges will be applied in the event of an early buydown of the Project Balance.*

Q4 Per item 3 above and relating to section 30.1 the same concern applies regarding undefined prepayments while the project is fixed rate. Could the 10% right of prepayment without penalty be restricted to when project is floating rate?

*R4 No. The 10% prepayment without penalty identified in GC 30.1 must be available in both Fixed Rate as well as Floating Rate financing.*

Q5. The natural gas data obtained from the Pulse Energy system and ION system do not match that the consumption shown by the utility invoices. Calendar Year 2014 data was compared from all 3, with the following totals:

- a. Utility invoices: 845,194 m<sup>3</sup> (approx. 8,730,854 kWh)
- b. Pulse Energy: 2,596,836 kWh

c. ION: 245,312 (no unit given)

Based on the above, it appears that the ION system is monitoring the gas meter directly, with the data being passed onto the Pulse Energy system. The Pulse Energy system then converts the ION data to kWh (using a conversion factor of 10.6, which is approximately the energy content (in kWh) of natural gas). Therefore, it appears that the ION system is not measuring gas consumption in m<sup>3</sup>, but in a different unit. Please confirm the above and which unit is measured at the meter by the ION system. Alternatively, please confirm which meter the ION system is monitoring (possibly not the main gas meter?)

*R5. Do not rely on the ION or Pulse Energy data for Gas. Use only the data collected by Enbridge and attached to this memo.*

*Pulses are read from the main gas meter by the ION system, and then converted and sent to Pulse energy. The pulses from the gas meter are actually in ft<sup>3</sup> and not m<sup>3</sup> so the data being collected by Ion and Pulse Energy is wrong. However, even when correcting the data for the mistake in units, it seems as if the collected data does not match the metered data from Enbridge. This issue is noted and will be investigated further.*

Q6. Many sub-meters (both gas and electrical) on the ION system appear not to be working at present. Is any historical sub-meter data available?

*R6. Unfortunately data from the sub metering system cannot be verified. Though the infrastructure exists to submeter all main breakers, meters may not be calibrated and reading correctly. There may be historical data that can be pulled from the ION system on site; however this data is not to be considered reliable. A project is underway to calibrate the submeters and rectify this situation.*

*Therefore, ESCos are instructed **not** to use submetered utility data from the existing ION or Pulse Energy systems in determining energy savings for proposed measures submitted in response to this solicitation. Only utility data provided as part of utility vendor invoicing should be considered valid for confirmation of energy savings used in submissions in response to this solicitation.*

*Submetered utility data may continue to be used to confirm system operations.*

Q7 Please confirm if the recommendations from the Smith and Andersen "Humidification Systems Recapitalization" report were implemented. If only a portion were implemented, please confirm which portions were implemented.

*R7. The following are the recommendations from the Smith and Andersen report and associated status of implementation:*

*AHU-5, serving Laboratory Module 5, replace the existing steam humidifier with a new humidifier having increased capacity, and increase the size of the steam pipe supplying this humidifier. The old AHU-5 was replaced with a new dual duct AHU-5 and the steam for humidification supplied by the humidification boilers.*

*AHU-6 & 7, serving the west side offices Modules 6 & 7, replace the existing 27 year old steam humidifier with new humidifiers as part of replacement of AHU-6 & 7. AHU-6&7 have been replaced with a new AHU -50 and the steam for humidification supplied by the humidification boilers.*

AHU-14, serving ERMD Source Measurement Laboratory, add a new steam humidifier as part of replacement of AHU-14.

*The source measurement lab is now served by AHU-38 however it has no humidification capability.*

AHU-26, serving ERMD laboratories, add a new steam humidifier.

*AHU-26 has been replaced by AHU-63 and this AHU is served by the centralized humidification boilers.*

AHU-27, serving ERMD offices, add a new steam humidifier.

*The replacement of AHU-27 is currently in design. The design calls for an electric steam humidifier to provide humidity to the space.*

AHU-29, serving ERMD offices, add a new steam humidifier.

*This AHU has been demolished*

AHU-30, serving ESD offices, add a new steam humidifier.

*This recommendation was never implemented*

AHU-UN, serving ERMD Calibration Laboratory, add a new steam humidifier.

*AHU-UN may refer to AHU-59. This AHU is served by the centralized humidification boilers.*

AHU-VHF-1, serving VHF offices Block A, add a new steam humidifier.

*This area is served by electric steam generating humidifiers.*

AHU-VHF-2 (Future), serving VHF offices Block B, add a new steam humidifier.

*This area is served by electric steam generating humidifiers.*

AHU-38, serving ERMD Wet Lab Room 10, add a new steam humidifier.

*There is no humidification in this area.*

AHU-40, serving MAP Laboratory (J. Pare), add a new steam humidifier.

*AHU-40 has been demolished and the feed for this laboratory is from AHU-5. AHU-5A within the space has a direct steam injection manifold served from the central humidification boilers.*

Add a new steam line from the boiler room to the new humidifiers in the main building, AHUs 14, 26, 27, 29, 30, UN, 38 & 40

*This recommendation was never implemented*

Add a new steam line from the boiler room to the new humidifiers in the VHF building, AHU-VHF-1 & AHU-VHF-2 (Future).

*This recommendation was never implemented. The area is served by package electric steam generating humidifiers.*

Retain the two existing steam humidification supply boilers and add a third steam boiler, upgrading the steam supply to meet the demand of the existing and the added new humidifiers.

*A third steam boiler was installed, Boiler 12.*

AHU-32 and AHU-34, serving the North Wing, replace the existing electric humidifiers with steam humidifiers including extending steam from the main building to the North Wing.

*This recommendation was never implemented*

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EP076-150596/A

Amd. No. - N° de la modif.

003

Buyer ID - Id de l'acheteur

fk289

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20150596

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fk289EP076-150596

CCC No./N° CCC - FMS No/ N° VME

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Q8. Is information available on the gases/chemicals (pollutants) that could be present in the automotive and tractor storage area? Is information available on the monitoring systems currently in place in those areas?

*R8. The pollutants in the high bay area are the same as what would normally be present in an indoor garage. The monitoring of the area is accomplished with QEL brand CO monitors.*

Q9. We were not able to locate the sequence of operations for the building systems. Would this information be available and if so can we obtain either a copy or a link to access this information?

*R9. At the moment the only way to get the sequences of operations is to view them on the DDC front end operator's workstation on site.*

**No other changes apply.**