



RETURN BIDS TO:
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Bid Receiving - PWGSC / Réception des soumissions
- TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
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

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

Issuing Office - Bureau de distribution
Fuel & Construction Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet Temp. Building & Assocd. Utilities	
Solicitation No. - N° de l'invitation 23240-180538/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client 23240-180538	Date 2017-10-19
GETS Reference No. - N° de référence de SEAG PW-\$\$HL-654-73365	
File No. - N° de dossier hl654.23240-180538	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-10-24	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: MacLeod, Bobbi	Buyer Id - Id de l'acheteur hl654
Telephone No. - N° de téléphone (873) 469-3354 ()	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

Solicitation No. - N° de l'invitation
23240-180538/A

Amd. No. - N° de la modif.
4

Buyer ID - Id de l'acheteur
hl654

Client Ref. No. - N° de réf. du client
23240-180538

File No. - N° du dossier
hl65423240-180538

CCC No./N° CCC - FMS No/ N° VME

This amendment is raised to extend the bid closing to October 24, 2017 at 2:00 PM EDT, to answer questions submitted by bidders, and to modify the RFP as follows:

1. Questions and answers:

Q11: It is understood that there is a \$200,000 ceiling price for each of work packages 1 and 2. The cost to design and produce the prototype units will exceed this budget. It is understood that there is no guarantee that any or all of the optional units will be procured however this Bidder anticipates any outstanding costs associated with the prototype units will be recoverable in the price for the optional units using Government cost principles. With respect to work package 2 however the risk is too high for this approach. The pellet heating system will substantially exceed the prototype budget. Some of the ablation group components are unable to be sourced and the inverter and lithium ion battery are not available. As a result please confirm that you will accept proposals for the Utility Module with exceptions to the supply of certain components?

A11: The design of the First Article Utilities Module is modified as noted below.

- 1) For the first article Utility Module, the pellet cogen unit is replaced by the Wood Energy Solutions pellet boiler, minimum size 15 kW thermal. The pellet system includes the pellet; the pellet hopper; the pellet auger and the pellet boiler, and all interconnects.
- 2) For the first article Utility Module, the electrical storage system, including the battery, inverter and controller is not required. The Contractor must design the module for this equipment to be added later.
- 3) Substitution of items of equivalent function within the composting-toilet system are permitted.

2. At Annex A, page 5 of 8, 3. Requirements, 3.1. General, **DELETE:**

Work Package 2 will deliver a First Article utilities module, incorporated within a 20 ft sea container, which provides electricity and heat for the building. The utility module will arrive in the field ready for plug-and-play operation. The utility module will contain a hopper for wood pellet storage, a non-pressurized thermal storage reservoir and a wood pellet fueled Organic Rankine Cycle (ORC) device capable of generating heat and power simultaneously. A black start diesel gen-set shall be provided with a whole house battery system.

and **INSERT:**

Work Package 2 will deliver a First Article utilities module, incorporated within a 20 ft sea container, which provides electricity and heat for the building. The utility module will arrive in the field ready for plug-and-play operation. The utility module will contain a hopper for wood pellet storage, a non-pressurized thermal storage reservoir and a wood pellet fueled boiler system for generating heat. A black start diesel gen-set shall be provided with accommodation for a whole house battery system to be added in the future.

3. At Annex A, page 5 of 8, 3. Requirements, 3.1. General, **DELETE:**

- one military style air pallet fixed to the floor inside the container, upon which is attached: a composting toilet central receiver, a leachate collection tank, a leachate pump, a vacuum pump/macerator, an ultra-low flow vacuum toilet and washbasin with potable water storage, filtering and UV disinfection, as well as a privacy curtain,

and **INSERT:**

- one military style air pallet fixed to the floor inside the container, upon which is attached: a composting toilet central receiver, a leachate collection tank, a leachate pump, a vacuum pump/macerator, an ultra-low flow vacuum toilet and washbasin with potable water storage, filtering and UV disinfection, as well as a privacy curtain, or equivalent

4. At Annex A, page 5 of 8, 3. Requirements, 3.1. General, **DELETE:**

- one military style air pallet fixed to the floor inside the container, upon which is attached: a wood pellet day hopper, a wood pellet auger, one wood pellet cogeneration system rated at 3 kW nominal, and a secondary treatment system for the leachate from the composting toilet system,

and **INSERT:**

- one military style air pallet fixed to the floor inside the container, upon which is attached: a wood pellet day hopper, a wood pellet auger, one wood pellet boiler system rated at 15 kW thermal, and a secondary treatment system for the leachate from the composting toilet system,

5. At Annex A, page 5 of 8, 3. Requirements, 3.1. General, **DELETE:**

- one military style air pallet fixed to the floor inside the container, upon which is attached one non-pressurized thermal storage system, one double wall diesel fuel tank, one lithium ion battery system rated 3 kW-hr, one ac power distribution panel, one hydronic fluid distribution panel, and all necessary umbilicals to quickly connect electrical and thermal services to the building at a distance of 10 feet or less from the utility container,

and **INSERT:**

- one military style air pallet fixed to the floor inside the container, upon which is attached one non-pressurized thermal storage system, one double wall diesel fuel tank, connections and space to insert one lithium ion battery system rated 6 kW-hr (battery and controller not part of first article utilities module), one ac power distribution panel, one hydronic fluid distribution panel, and all necessary umbilicals to quickly connect electrical and thermal services to the building at a distance of 10 feet or less from the utility container,

6. At Annex A, page 6 of 8, 3. Requirements, 3.3. Health and Safety, **DELETE:**

All equipment and materials must comply with applicable Canada Occupational Health and Safety Regulations in effect for such equipment on the date of manufacture as well as any best practice guides available in the public domain for arctic installations.

All other terms and conditions of the Request for Proposal remain unchanged.