



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
Government of Canada Building  
101 - 22nd Street East  
Suite 110  
Saskatoon  
Saskatchewan  
S7K 0E1  
Bid Fax: (306) 975-5397

**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**  
Public Works and Government Services Canada/Travaux  
publics et Services gouvernementaux Canada  
Room 1650, 635 8th Ave. S.W.  
Calgary  
Alberta  
T2P 3M3

<b>Title - Sujet</b> Well Database System	
<b>Solicitation No. - N° de l'invitation</b> 84084-180091/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> 84084-180091	<b>Date</b> 2018-08-29
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$CAL-142-6782	
<b>File No. - N° de dossier</b> CAL-8-41033 (142)	<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 2018-09-12</b>	
<b>Time Zone</b> Fuseau horaire Central Standard Time CST	
<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> Blake, Luke J.	<b>Buyer Id - Id de l'acheteur</b> cal142
<b>Telephone No. - N° de téléphone</b> (403) 613-0725 ( )	<b>FAX No. - N° de FAX</b> (403) 292-5786
<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 amendment has been raised to amend solicitation 84084-180091 and answer the following questions from industry:

Q1 With regards to Annex-B, Minimum Mandatory Requirements, Item-1:

The bidder understands that *directional surveys*, in PDF format, attached to well on the map utility, are sufficient. We kindly requests Client to clarify if the directional surveys need to be accessible in any other format or if they are required to have any additional features.

A1 The directional surveys need to be accessible in machine-readable format.

Q2 With regards to Annex-B, Minimum Mandatory Requirements, Item-1:

The bidder understands that by "*Well Header Information*" client mean following information:

UWI, Well Name, Province, Field, Pool, Formation, Oilsands Area, Oilsands Deposit, Status, Well type, Well profile, Operator, Licensee, Lahee Class, PSAC region, Suspension status, Last Production Date, Last Injection Date, Months since volumetric activity, Spud date, Completion date, Rig release date, License Date, Total vertical depth, Total depth, Ground elevation, License Number, Reclamation Status, Confidentiality status, Confidentiality release date, Abandonment date, Surface owner, Survey system, Non compliance status / items, Regulatory Agency, Unit Name, Unit ID, Unitized Well Status, Orphan Well Status, Current Production Month, New Well Flag, Current Operating Days, Current Production figures, Cumulative Production Figures, Last reported production figures, 3 months average production figures, 12 months rolling production figures, Monthly production/injection figures, Peak production, Bottom hole location (Bottom hole LSD, Quarter section, section, township, range, meridian, quarter unit, unit, block, series, area, sheet, NTS map sheet), Drilling contractor, Final Drill Date, No. of days drilling, Meters drilled per day, Bottom hole township, Surface longitude, Surface latitude, Surface location (Surface LSD, Surface Quarter Section, Surface township, section, range, meridian, series, area, sheet, block, NTS map sheet, unit, quarter unit etc)Participating companies, LLR Estimates (Bidder's proprietary item).

The bidder requests client to kindly clarify whether any additional information is defined as part of "Well Header Information" and needs to be available in the product.

A2 The well-header information must also include:

- The specific formation(s) a well is producing from (names and codes, where codes are available). Note that a generic range for commingled wells (Lower Cretaceous to Upper Jurassic, for example) is not sufficient.
- The formation at TD (name and code).
- An indicator of whether a well is drilled horizontally.
- Field name and code (where codes are available).
- Pool name and code (where codes are available).

Q3 With regards to Annex-B, Minimum Mandatory Requirements, Item-1

*Gas Composition:* Bidder requests Client to kindly clarify the items that are required as part of "Gas Composition" requirement.

Also, Bidder requests client to kindly clarify whether the Gas Composition data is required for all provinces. Bidder is of opinion that Gas Composition data for Saskatchewan and Manitoba is nonexistent.

A3 The composition data fields are:

- Test number, date, and depth
- Formation sampled
- C1, C2, C3, NC4, IC4, NC5, IC5, and C6.
- Where available, C7, C8, C9, and C10+. Otherwise, C7 through C10 can be provided as C7+ where C8 through C10+ data aren't available.
- H2, He, CO2, and N2.
- Gross heat value and gas density

~~Correct, g~~Gas compositions are not available in SK and MB. Thus, no gas-composition data is required for these provinces.

Q4 With regards to Annex-B, Minimum Mandatory Requirements, Item-1:

Bidder's product, in its current form, does not contain the "Basic Completion" data for Province of Manitoba. Bidder is also of opinion that such data is nonexistent for the Province of Manitoba.

Bidder requests Client to kindly clarify whether inability to provide "Basic Completion" data for province of Manitoba will automatically make the Bidder ineligible to meet the "Minimum Mandatory Performance Specification".

A4 Relative to the provided files: data\_fields\_provided\_to\_the\_neb.xls, and data\_fields\_provided\_to\_the\_neb\_02.xls, the NEB currently has access to these fields for many Manitoba wells except for [1] Producing Status, and [2] Surface Hole long/latitude. Inability to provide this level of completion data for the wells in Manitoba where it is available will make the Bidder ineligible to meet the Minimum Mandatory Performance Specification.

Q5 With regards to Annex-B, Minimum Mandatory Requirements, Item-3:

*"Capability of contouring the geological and geological engineering information on screen for thousands of wells at one time and in less than five minutes"*: It has been Bidder's experience that the general workflows for such processes involve cumbersome extraction of data and manual manipulation / cleaning of extracted data followed by required formatting and data visualisation steps in order to develop the exact deliverable that client needs.

In order to reduce complexity and burden on Client resources, Bidder generally utilises a slightly different approach. The Bidder's team often substitutes a generic user interface. The Bidder's team delivers customized data extracts that exactly meet client requirements.

Bidder requests Client to kindly clarify:

1. Whether such alternative approach will be acceptable to the Client for their contouring requirements.
2. If so, Bidder wishes to understand general frequency of use for such information and the intended workflows in order for Bidder to estimate and bid the most cost effective solution.

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- A5 This would be acceptable. Requests would be infrequent, with possibly one every six months.
- Q6 With regards to Annex-B, Minimum Mandatory Requirements, Item-5:
- The RFP mentions "The data must be updated on a monthly basis in electronic format and available to NEB users within **days** of it becoming available from the source.
- Bidder's current turn around time is 5 business days from the date of data becoming available. Bidder requests Client to kindly clarify whether such turnaround time is acceptable. If not, kindly clarify the expected maximum number of business days for such turnaround.
- A6 This would be acceptable.
- Q7 Is there currently an incumbent providing a well database to which NEB subscribes.
- A7 Yes, the current contract with the Divestco GeoVista system is expiring in 2018
- Q8 Is the NEB seeking or open to a web-based platform?
- A8 The NEB is open to a web-based platform
- Q9 The RFP makes reference to Microsoft IIS web servers, but the RFP also specifies provision of 2 user licenses. How widely might this system be used / accesses and are the 2 user licenses intended as administration licenses?
- A9 Only two users would access the software/data at a time and make use of the product. Other users may substitute from time to time for the original two users, but only two users would access the system at a time. If the system is to be housed on the NEB server, sufficient administrator privileges would be required to establish the product on the server.
- Q10 Does the NEB already have a structured database containing the data of interest and if so, can more details be provided on the structure and how it is updated?
- A10 Yes, the data is already in a structured database in the tabular formats as described in "data\_fields\_provided\_to\_the\_neb.xls" and "data\_fields\_provided\_to\_the\_neb\_02.xls". It is updated monthly, currently by means of a data CD delivered to the NEB.
- Q11 Is the NEB open to a "software as a service" business model where the provider would create a custom tool to access the data by working with users or is NEB seeking an "off the shelf" package that must already be complete?
- A11 Provided that the custom tool is able to meet the requirements indicated, and that it is accomplished without inordinate downtime to NEB operations (maximum downtime of one month) the NEB would be open to a "software as a service" business model

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- Q12 Can an estimate of the budget be provided to help inform the level of effort that might be expected?
- A12 A budget will be allocated based on the lowest cost option that meets the requirements.
- Q13 1a – if this is to be web based, what browsers should be supported? We typically support the latest versions of Chrome, Edge, Safari and Firefox, up to a major version prior.
- A13 The NEB would require support of Microsoft Edge
- Q14 In the Q2/A2 of the addendum, it says this can be hosted. Does this mean that National Energy Board (NEB) would have an account with a cloud service provider, or would we use and maintain our own account?
- A14 The vendor would maintain their own account
- Q15 Could you provide us with more information about the requirement for contours? Does NEB want the contours maintained as static depictions that get updated periodically or do they want the contours generated on the fly based on some filtering criteria?
- A15 The NEB requires contouring as based on system data, on the fly.
- Q16 Will there be consistent data formats we will be receiving for updates? If this might vary, does NEB want us to analyze and format data for loading? Are the data provided from only NEB with consistent format or would data be handled by some other parties?
- A16 Data formats required are as indicated in the examples “data\_fields\_provided\_to\_the\_neb.xls” and “data\_fields\_provided\_to\_the\_neb\_02.xls” to be provided by the vendor. The NEB or other parties on behalf of the NEB would not provide data.

**The solicitation is amended as follows:**

On page 16 of 19, Under Compliance Matrix Item 4:

- Delete: The system must be able to operate on the NEB's standard information technology platforms, including Windows 10 desktops, Server 2012R2 file servers, Microsoft IIS web servers, and SQL servers SQL2016.
- Insert: **The system may be web-based. If it is not web-based,** the system must be able to operate on the NEB's standard information technology platforms, including Windows 10 desktops, Server 2012R2 file servers, Microsoft IIS web servers, and SQL servers SQL2016.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME