ADDENDUM

Project Name: Request for Expressions of Interest 2011-084 Host Site Locations micro Combined Heat and Power (mCHP) Demonstration Project

Addendum#: 2 (3 pages)

Date: April 26, 2012

To all Bidders

1 General

1.1 This Addendum forms an integral part of the Request for Expressions of Interest (REOI) documents and is included therein. Where inconsistent with the original REOI, this Addendum will govern.

2 Scope of Addendum

2.1 The following statements are provided in response to questions submitted by potential Respondents:

2.1.1 SRC will require engagement from the Participant to attend a select number of design meetings to ensure that the design will not negatively affect their building's operation or the Participant representative’s schedule. A detailed mechanical and electrical design will be undertaken, by qualified personnel, and will be approved, in concept, by the Participant. The design meetings may take place at a number of locations, including SRC and local consultant offices, or at the Host Site location. SRC wishes to have a single point of contact with the Participant organization who would in part, be required to attend design meetings.

2.1.2 In terms of making arrangements to facilitate all required construction, SRC is mainly looking for cooperation in terms of allowing access to the site for contractors during the installation. The schedule will be discussed with the Participant. The installation will be project managed and overseen by SRC including work scope, Request for Proposals preparation, contractor selection (with recommendations from Participant for preferred contractor), etc.

2.1.3 The frequency and duration of Host Site tours will be defined at a later date, but will be held during the demonstration period. A media event and some small tours may be scheduled for the successful sites as part of the overall project, the goal of which is commercialization of the technology. Scheduling will be done with input from the Participant and will minimize business disruption.

2.1.4 The Participant will have minimal to no involvement in gathering and analysis of data.
2.1.5 The mCHP system will have a predefined maintenance interval provided by the manufacturer. Maintenance agreements which cover labour, consumables and parts are available from some suppliers for a small fee on every kWh produced.

2.1.6 In terms of other companies using mCHP systems, there are over 40,000 mCHP systems installed in Europe alone. This technology is now being introduced to Canada, but has been around for over 30 years.

2.1.7 The costs of the mCHP systems have not been finalized, but are anticipated to be in the order of $50,000 – 100,000 each, noting that the cost will be covered by the project. All costs to install the system will also be covered by the project (including design, permitting, regulatory meetings, parts and labour as well as connection to existing heating and electrical systems).

2.1.8 The cost to operate the systems will be only the additional natural gas use for the demonstration period and natural gas use and system maintenance after the demonstration period. The Participant will receive full benefit from the power generated on site.

2.1.9 SRC will be responsible for metering and taking meter readings.

2.1.10 Size and space requirements for the mCHP units are still to be determined. mCHP systems are typically the size of a commercial boiler.

2.1.11 Frequency of access to the site by SRC is unknown at this point, but periodic access to the site to take meter readings and check on monitoring equipment will be required. SRC intends to set up remote access to the monitoring equipment to reduce frequency of access requirements.

2.1.12 The installation of the mCHP unit would ideally be located in the existing mechanical room of the Host Site. The impact of the unit on major building renovations would need to be considered as part of the renovation planning process. Without knowing what the future renovations are, it is not possible to determine the impact of mCHP system.

2.1.13 The mCHP system will be installed in parallel to the existing heating system which will operate as “back up” should failure occur.

2.1.14 There should be no non-normal/non-routine operation of the system except possibly during commissioning.

2.1.15 SRC will carry insurance on the mCHP unit for the duration of the demonstration. The Participant would be required to insure after the demonstration if they wished. The systems will be CSA approved and installed as per the requirements of local code officials.

2.1.16 SRC will cover regulatory requirements and related costs (e.g., approvals, permits) as part of the project.

2.1.17 Fire and Building Code assurance will be provided by SRC.
2.1.18 If the system does not meet the Participant’s expectations, it will be removed, at SRC’s cost, at the end of the demonstration.

2.1.19 All maintenance and repair costs for the duration of the demonstration, which will coincide for the monitoring period, will be covered by SRC as part of the project.

2.1.20 SRC will require the ability to configure the heating system that the mCHP system is installed into to allow the mCHP system to be the lead heating system. There should be no impact on the operation of the building except for the short duration when the mCHP system is tied in.

2.1.21 SRC will be responsible for developing the monitoring plan and will attempt to monitor from a remote location using wireless internet access to the data logger. Some monthly meter readings will also be taken, by SRC employees, which are usually accessible from the exterior. Natural gas and electrical records are required and can be supplied as copies of bills from the utilities.

2.1.22 Terms and conditions of the Sample Agreement are negotiable. Respondents should indicate in their Response, any requested changes to the terms and conditions of the Sample Agreement, which will be considered by SRC during the evaluation of Responses.

All other terms and conditions remain unchanged.