

## REQUEST FOR LETTER OF INTEREST (LOI)

# LOI – 13-22019

**This is NOT a Request for Proposal (RFP). There is no commitment with respect to future purchases or contracts. Companies that submit a Letter of Interest and are deemed qualified will be invited to submit a quote in June of 2013.**

### **Background**

A study is being carried out jointly by Health Canada - Water, and Air Quality Bureau (HC) and the National Research Council of Canada - Construction (NRC) to investigate different mitigation strategies to prevent the infiltration of pollutants from attached garages into the adjoining living spaces of residential homes. The study involves 36 owner occupied homes with attached garages in the National Capital Region. Proposed for 2013-2014 is the evaluation of the impact of improved sealing the garage / house interface wall to improving indoor air quality in the home.

### **Purpose**

The purpose of this request for a Letter of Interest (LOI) from interested firms is to identify companies that understand air movement through buildings, are able to seal leakage areas to prevent air movement between the home /attached garage, and meet the requirements identified below.

### **Requirements**

The National Research Council (NRC) is seeking to partner with a firm to assess, test, and seal garage / home interface walls to meet the following needs:

1. Ability to accurately identify and measure the garage / house interface wall and ceiling area.
2. Ability to assess / seal air leaks and reinstall garage drywall (if removal is necessary) to provide a finished ceiling / wall surface (note #1).
3. The successful company will require a police record check (Vulnerable Sector, note #2).
4. General Liability Insurance is required.
5. Only low VOC materials must be used in this work. Construction materials will be provided by NRC.
6. All work is in the Ottawa area.
7. The contractor will be required to work with a Health Canada representative for scheduling of job site visits and related logistics (note #3).
8. Demonstrate at a virtual "job showing" in the Indoor Air Research Facility, located at the Montreal Road campus of NRC, how the sealing work in the field would be approached.

## Scope

It is estimated that the sealing of the interface will, on average, require 2 people for 6 hours per house. The materials to be used will be supplied by NRC, but alternative material products may be used if approved by NRC. The maximum number of homes to be sealed is 36.

It is anticipated that the contract will be completed within 3-4 months of the award of contract. The deadline for completion is the 15<sup>th</sup> of November 2013.

Companies are required to demonstrate how they can meet the requirements in responding to this LOI (requirement #8).

The company that is eventually chosen to work with NRC & HC will work within milestones where the major delivery points will be:

- a) Pre remediation measurement of air leakage.
- b) Sealing of interface.
- c) Post remediation measurement of air leakage.

Measurement of air-leakage for milestones A and C above will be the responsibility of another company. Your task will be the completion of milestone B – the sealing of the interface. The measurement company will deem the sealing work to be complete when there is negligible air leakage across the home / garage interface. It is recognized that identification of areas that require sealing work may require the use of air-leakage detection equipment. However, there is no requirement for you to quantify and report the leakage before or after sealing work is completed.

## Notes

1. Companies that have experience with air-leakage assessment equipment and techniques (such as Blower Door, Smoke Pencil, and IR camera thermography) should indicate this. Such expertise is an asset, but not a requirement.
2. The police record check for the vulnerable sector can be obtained from your local police service. For example, in Ottawa the following link is used to access the form:  
[http://www.ottawapolice.ca/en/ServingOttawa/RecordsChecks/Records\\_check\\_FAQ/Cost.aspx](http://www.ottawapolice.ca/en/ServingOttawa/RecordsChecks/Records_check_FAQ/Cost.aspx)  
The successful companies' staff, that will undertake this work, will be required to fill in a two page form for processing. There is a small fee required to process this form (\$15 for residents of Ottawa or \$52 for non-residents).
3. Some work may need to be completed outside of normal operating hours such as evenings and weekends.