



October 25, 2006

Subject: Contributions granted within the framework of the CETC-Varennnes' Refrigeration Action Program for Buildings (RAPB)

Dear Madam, Dear Sir,

It is my pleasure to announce that the "Refrigeration Action Program for Buildings" (RAPB) is entering a new phase. Further to the successful projects realized until now, technologies and practices promoted in RAPB are recognized for new constructions or major retrofits of sports and recreation facilities that house at least one ice surface, a refrigeration system, and a mechanical system for heating-ventilation. These efficient refrigeration applications are now designated by the name "CoolSolution".

Two types of contributions are now offered under RAPB for arena owners: the first one enables reducing the costs of feasibility studies for comparing the benefits of different refrigeration applications including "CoolSolution" type ones, the maximum amount is \$4,500; the second one enables reducing acquisition costs of eligible equipment for a "CoolSolution" compliant application. The amount can reach \$60,000 for a facility housing a standard ice rink and up to \$95,000 for one housing several ice surfaces.

"CoolSolution" refrigeration applications consume less energy and generally require less maintenance during their life spans. We are very aware that the operation of sports and recreation facilities represent a huge financial load for municipalities and non-profit or private organizations. It is our hope that contributions offered under RAPB will help implement these "CoolSolution" applications, which are significantly less costly to operate.

You will find attached more information concerning these contributions. We hope it will give a new momentum to implementation projects, therefore contributing to energy efficiency and greenhouse gas emission reductions. For more information, please visit our Website ([www.coolsolution.gc.ca](http://www.coolsolution.gc.ca)) or contact us (Tel. 450-652-4621 – Email: [coolsolution@nrcan.gc.ca](mailto:coolsolution@nrcan.gc.ca)).

I would like to thank our partners: Provincial governments, associations and utilities for their support to the implementation and realization of RAPB.

With best regards,

Sophie Hosatte  
Director - Buildings Group  
CTEC-Varennnes

Notes: The current RAPB deadline is March 31, 2007.  
CoolSolution is an official mark of Natural Resources Canada.

Encl.: Contribution for a CoolSolution feasibility study (Max. \$ 4,500)  
Contribution to purchase a CoolSolution application (Max. \$ 95,000)



### **CONTRIBUTION FOR A COOLSOLUTION FEASIBILITY STUDY (MAX. \$4,500)**

CETC-VARENNES' REFRIGERATION ACTION PROGRAM FOR BUILDINGS (RAPB)

#### **FUNDING SUMMARY**

If you plan on renovating a building with one or more ice sheets (e.g., ice rink(s) or curling rink(s)), or if you plan on building a new one, you could receive a contribution of up to \$4,500 to carry out a CoolSolution feasibility study. CoolSolution is an efficient refrigeration application that can significantly reduce your energy bill and contribute to reducing greenhouse gas (GHG) emissions. This study aims to:

- evaluate the costs and benefits of CoolSolution for the reduction of your building's operating costs and the reduction of its impact on the environment;
- provide useful information to decision-makers so that they can make informed decisions when choosing refrigeration and heating, ventilation and air conditioning equipment options; and
- estimate the financial assistance available from various programs.

#### **ELIGIBLE INFRASTRUCTURES**

Eligible infrastructures include arena-type buildings with one or more ice sheets that are used for playing hockey, curling, figure skating, speed skating or any other sports or recreation activities AND that have heated interior areas. The building must also be equipped with a mechanical system (heating – ventilation) and an ice production system. New constructions are eligible, as are renovation projects or the replacement of an existing infrastructure.

#### **ELIGIBLE ORGANIZATIONS**

All organizations that own or will own an arena-type building are eligible. Energy advisors, contractors and public services can collaborate with eligible organizations to help them obtain financial assistance.

#### **ELIGIBLE COSTS**

Any costs associated with the preparation of a feasibility study carried out or certified by a member of a recognized professional order and that are in agreement with the terms and conditions of RAPB, are eligible. They may include professional fees and expenditures directly related to the completion of the feasibility study (e.g., travel expenses). The contribution can cover up to 50% of these costs, up to a maximum of \$4,500.

To remain eligible for this contribution, do not sign any contract nor undertake a CoolSolution feasibility study prior to obtaining approval of your Proposal. Projects that are already underway or for which contracts have already been signed are not eligible.

## **PAYMENT SCHEDULE**

In general, the contribution is provided in only one payment after the completion of the feasibility study and once the following three (3) documents have been submitted:

- ✓ the feasibility study carried out by your professional service provider;
- ✓ a proof of payment; and
- ✓ an invoice from your organization detailing eligible costs.

These three (3) documents must be sent to CETC-Varenes before March 31, 2007.

## **PRESCRIBED DEADLINE**

To receive a contribution, you must send a duly completed request (Proposal) to CETC-Varenes before February 15, 2007, and the feasibility study must be completed and received (with required information) by CETC-Varenes before March 31, 2007.

Requests are processed on a first come, first served basis, for as long as there are funds in the contribution budget.

## **WHERE TO BEGIN**

To make a Proposal, you must provide us with the following three (3) documents and other supporting information:

- ✓ a letter of intent;
- ✓ a request for financial assistance; and
- ✓ a service proposal from your consultant.

To obtain a comprehensive list of the information required to submit a Proposal, and for more information on RAPB and CoolSolution, please contact CETC-Varenes:

### **Refrigeration Action Program for Buildings (RAPB)**

CANMET Energy Technology Centre – Varenes (CETC-Varenes)  
Natural Resources Canada

1615 Lionel-Boulet, P.O. Box 4800  
Varenes, QC, Canada J3X 1S6

E-mail: [coolsolution@nrcan.gc.ca](mailto:coolsolution@nrcan.gc.ca)

Fax: 1-450-652-5177

Phone: 1-450-652-4621

Website: [www.coolsolution.gc.ca](http://www.coolsolution.gc.ca)



### **CONTRIBUTION TO PURCHASE A COOLSOLUTION APPLICATION (MAX. \$95,000)**

CETC-Varenes' Refrigeration Action Program for Buildings (RAPB)

#### **FUNDING SUMMARY**

If you plan on renovating a building with one or more ice sheets (e.g., ice rink(s) or curling rink(s)), or if you plan on building a new one, you could receive a contribution of up to \$95,000 to purchase a CoolSolution application: an efficient refrigeration application that can significantly reduce your energy bill and contribute to reducing greenhouse gas (GHG) emissions. CoolSolution aims to:

- integrate refrigeration, heating, ventilation and air conditioning systems to recover the heat generated by refrigeration systems in order to meet the building's heating needs (stands, locker rooms, offices, etc.);
- adapt the systems to Canadian climate conditions (using floating head pressure or variable condensation temperature) to increase their efficiency;
- use natural refrigerants or packaged refrigeration systems with secondary loops to reduce synthetic refrigerant loads that contribute to greenhouse gas emissions.

#### **ELIGIBLE INFRASTRUCTURES**

Eligible infrastructures include arena-type buildings with one or more ice sheets that are used for playing hockey, curling, figure skating, speed skating or any other sports or recreation activities AND that have heated interior areas. The building must also be equipped with a mechanical system (heating – ventilation) and an ice production system. New constructions are eligible, as are renovation projects or the replacement of an existing infrastructure.

#### **ELIGIBLE ORGANIZATIONS**

All organizations that own or will own an arena-type building are eligible. Energy advisors, contractors and public services can collaborate with eligible organizations to help them obtain financial assistance.

#### **ELIGIBLE COSTS**

Eligible costs include the purchase, transportation and delivery costs of equipment for a CoolSolution application. To remain eligible for a contribution, do not sign any contract nor purchase a CoolSolution application prior to obtaining approval of your Proposal. Projects that are already underway or for which contracts have already been signed are not eligible.

## CONTRIBUTION AMOUNT

The contribution amount delivered by RAPB is calculated based on a "*CoolSolution Score*" that determines the optimization level of the implementation under consideration. This amount can cover 100% of eligible costs, up to a maximum of \$95,000 (\$60,000 if the arena only has one ice rink). However, if you receive other governmental or public financial contributions, the total amount received cannot exceed the value of the eligible costs or the actual costs for purchasing the CoolSolution application.

## PAYMENT SCHEDULE

In general, the contribution is provided in only one payment after the purchase of a CoolSolution application and once the following three (3) documents have been submitted:

- ✓ A proof of ownership of the equipment purchased;
- ✓ A proof that this equipment has been delivered on site prior to March 31, 2007; and
- ✓ A compliance report of the systems delivered in comparison with those mentioned in your contribution request.

These three (3) documents must be sent to CETC-Varennes before March 31, 2007.

## PRESCRIBED DEADLINE

To receive a contribution, you must send a duly completed request (Proposal) to CETC-Varennes before February 15, 2007, and the delivery of the equipment associated to the CoolSolution application must be completed and the required related information should be received by CETC-Varennes before March 31, 2007.

Requests are processed on a first come, first served basis, for as long as there are funds in the contribution budget.

## WHERE TO BEGIN

To obtain a comprehensive list of the information required to submit a Proposal, and for more information on RAPB and CoolSolution, please contact CETC-Varennes:

### **Refrigeration Action Program for Buildings (RAPB)**

CANMET Energy Technology Centre – Varennes (CETC-Varennes)  
Natural Resources Canada

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