

Form IIa – Request for Payment of Financial Assistance for solar air preheating projects

Solar Preheating Grant ¹

* Mandatory fields

I, the undersigned, duly authorized representative of _____, hereinafter

name of company

called "the participant," declare that the solar preheating system, file number PE _____
which was approved by Énergir, has now been installed.

The installation of the solar air preheating system was completed on: _____

day / month / year

Section 1 – Information about the professionals associated with the project

Information about the person responsible for the start-up

* Name of person: _____

* Name of company: _____

* Telephone: _____

* E-mail: _____

* Registration: Engineer Certified engineering technologist CanSIA certified installer

Information about the supplier of the solar collectors

* Name of company: _____

* Name of resource-person: _____

* Title: _____

* Telephone: _____

* E-mail: _____

Information about the installer of the solar preheating system

* Name of company: _____

* Name of resource-person: _____

* Title: _____

* Telephone: _____

* E-mail: _____

Section 2 – Status of implementation

I, the undersigned, declare that the solar preheating system has been installed in its entirety after modification.

The modifications made to the solar preheating system are as follows:

In the case of any modifications made to the solar preheating system, Énergir requires that the following documents be submitted with the request for payment of financial assistance:

Detailed diagrams of the solar preheating system;

Revised simulation.



¹ This grant may end at any time.

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Information about the modified solar preheating system

Please complete the following table if the solar preheating system installed has been modified.

Type of collectors	Manufacturer and models	Colour
1		
2		
3		

The participant certifies that the installed collector's physical characteristics correspond to the one found in the SRCC certificat of that model.

Yes No – Please list all differences (material, glazing type, thickness, transmissivity, air flow, etc.):

	Gross dimensions of individual collectors			Inclination angle (degrees from horizontal plane)	Orientation of collectors (degrees east/west of due south)	Expected total flow from collectors (litres/second)
	Length (m)	Width (m)	Surface area (m ²)			
1						
2						
3						
Total surface area						

For glazed collectors on a brick base, indicate the building's operating hours (e.g. 8:00 am – 4:00 pm):

* Total annual savings due to the solar preheating system (including destratification): m³/year

* Annual savings achieved with solar preheating system (excluding destratification): m³/year

Annual savings achieved simply by destratification: m³/year

Consequently, we acknowledge that if the volume of natural gas saved is different from that initially expected from the solar preheating system, Énergir reserves the right to modify the amount of financial assistance originally accorded.

Section 3 – Start-up of the system

Please list the steps of your evaluation of the system that allow you to conclude that the system has been started up:

Please indicate why you believe that the installation complies with well-established engineering principles:

Complete the blank cells edged in blue

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Section 4a – Final process information

* Please indicate if the solar collector will preheat process air (burner, dryer, other):

Yes (**Please fill only section 4a**) No (**please fill only section 4b**)

* Please indicate if the process is connected to the solar collector: Yes No

* Please indicate process natural gas consumption: (in m³/yr)

* Please describe the process and its preheated air consumption:

* Please indicate process air flow consumption: (in L/s)

* Please indicate number of hours of current use: and future use (in hrs/week)

* Please indicate the average supply temperature: (in degrees Celsius)

fixed variable

* Please indicate the current and proposed process air heating strategy:

* Please provide the solar collector control sequence or logic with respect to the process:

Section 4b – Final information on the ventilation system used for space heating only

* Please indicate if the space heating appliance is connected to the solar collector: Yes No

* Please indicate if the space heating appliance is a: Rooftop unit Make-up air ventilation system

* Capacity of heating appliance: (in L/s)

* Please indicate number of hours of current use: (in hrs/week)

and future use: (in hrs/week)

* Please indicate the average supply temperature: (in degrees Celsius)

fixed variable

* Please indicate the current heating strategy and the one proposed:

* Please indicate what the sequence is for controlling the level of new fresh air and for modulating the temperature of the solar wall:

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Section 5 – Final costs of project for the solar preheating system

Components of solar air preheating system			
	Cost \$ (excluding taxes)	Comments	Datech (Cost estimated by Énergir ²)
Cost of collectors			
* Solar collectors, supports and fans			
* Ducts and insulation of ducts connecting the collectors with the auxiliary heating system at the interface			
* Dampers			
Other (please specify)			
* Number of control points: _____			
Sub-total			
Cost of destratification			
* Destratification fan			
* Destratification ducts			
Other (please specify)			
* Number of control points: _____			
Sub-total			
Other			
* Controller for the solar preheating system			
* Modification to process to convert it to solar preheating			
Total cost of equipment			
Project implementation costs			
* General expenses			
* Engineering expenses			
Other (please specify)			
Sub-total			
Total cost of project without destratification			
Total cost of project			
Total cost of system by cubic metre			
For new construction projects			
Costs avoided by using the solar collector for the building's exterior cladding			

For new construction projects

Type of cladding the solar collector is replacing (brick, stone, acrylic stucco, engineered or natural wood, etc.):

Surface area of the building's exterior cladding replaced by the solar wall: m²

Complete the blank cells edged in blue

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² Énergir reserves the right to review eligible costs.

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Section 6 – Final calculation of payback period

Information on the modified solar preheating system

Please complete the following table, using the final data from the installed solar preheating system.

Price of natural gas

* Average over last 12 months: \$ _____/m³

Annual natural gas savings – Section 2 (m ³)	Annual saving (\$)	Total cost of project – Section 5 (\$)	Payback period ³ without grant (years)	Datech

Section 7 – Final information on financial contribution(s) from other organizations

The participant hereby declares all financial assistance received or expected to be received from other organizations for implementing these measures:

Name of organization	Name of grant	Amount received to date (\$)	Amount to be received (\$)	Total amount expected (\$)

The participant agrees that Énergir may share information with other organizations. The participant also agrees that Énergir may revise the amount of financial assistance accorded to take into account any other financial assistance received.

Complete the blank cells edged in blue

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Declaration

The participant hereby declares that the information provided in this document is accurate and complete. The participant acknowledges that any false declaration could result in the repayment of all the financial assistance paid by Énergir.

The participant agrees to give access to the building that is receiving financial assistance from Énergir. A duly authorized Énergir representative may, on request, verify the solar preheating system installed, even if the financial assistance has already been paid.

The participant also encloses with this request:

- Photographs of all the components of the solar preheating system installed;
- Photographs taken of the overview of the collectors and their immediate environment showing, where appropriate, the obstacles that can generate shading on the collectors;
- Copies of bills for the acquisition and installation of the equipment concerned, including:
 - Details of the costs of all the solar preheating system components shown on Form Ia;
 - Contact information for the participant and Énergir account number;
 - Contact information for the supplier of the equipment and the installer;
 - The description of the system installed is in accordance with the description on Form Ia – or of the modifications made to the solar preheating system
- A bill addressed to Énergir claiming the amount of financial assistance to be paid, including applicable taxes.

In witness whereof, we have signed

Owners of the installations

* Name of participant's resource-person:

* Signature:

* Signed the:

day / month / year

Person responsible for the start-up

* Name of company:

* Name of person:

* Signature:

* Signed the:

day / month / year

Complete the blank cells edged in blue

By e-mail:
energyefficiency@energir.com

SEND

By mail:
Énergir
Energy Efficiency Programs
1717 du Havre
Montréal, QC H2K 2X3

By fax:
514 598-3700

PRINT

