

Form Ib – Application for Eligibility for solar water preheating projects

Solar Preheating Grant¹

* Mandatory fields

Section 1 – Identification of customer

* Name of company:

Énergir Account No.: (if known)²:

* Service address:

* Municipality: * Postal code:

* Resource-person:

* Title:

* Telephone: * Cell:

* Fax: * E-mail:

* Postal address:

* Where to send financial assistance: billing address postal address

* Preferred means of communication: by mail by e-mail³

Section 2 – Identification of others associated with the project

Supplier of system

* Family name and first name:

* Title:

* Company:

* Address:

* Municipality: * Postal code:

* Telephone: * Cell:

* Fax: * E-mail:

Project Manager: or designate:

* Family name and first name:

* Title:

* Company:

Address:

Municipality: Postal code:

Telephone: * Cell:

Fax: * E-mail:

* Expected date of start-up of solar preheating system:

day / month / year

¹ This grant may end at any time.

² If the facilities have different Énergir account numbers, submit separate requests for financial assistance for each Énergir account number.

³ Communications may include personal information within the meaning of the law.

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Section 3 – Information about the building and the positioning of the solar collectors

Information about the building

* Type of building: commercial institutional industrial agricultural multi-housing

* For a multi-housing building, number of units:

* Number of floors:

* Existing building, year of construction:

* New construction, date work will start:

and date work will finish:

day / month / year

Surface area in square metres (A)	Height of building in square metres (B)	Total volume (A x B)
<input type="text"/>	<input type="text"/>	<input type="text"/>

* Please indicate the principal use of the building (e.g., poultry house, warehouse, rental unit):

Information about positioning of solar collectors

* Please indicate if the exposure of the solar collectors may vary during the year (for example, due to shade from adjacent buildings, trees, etc.):

Complete the blank cells edged in blue

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Section 4 – Information about the solar preheating system

Type of collectors	Manufacturer and models	SRCC certificate number	Quantity
1			
2			
3			

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					

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

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

* Annual savings made possible by the solar preheating system: m³/an

Section 5 – Information about annual energy savings

* Net energy supplied by solar preheating system (A): (Gj/year)

* Annual efficiency of back-up preheating system (B): (%)

* Energy load replaced (A/B): (Gj/year)⁴

* Besides the natural gas, is another energy replaced by the solar system? Yes No

If yes: light fuel oil propane electricity

Energy replaced	%
Energy indicated	<input type="text"/>
Natural gas	<input type="text"/>

Complete the blank cells edged in blue

⁴ Equals net energy supplied by the solar preheating system, divided by annual efficiency.

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Section 6 – Process information

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

* Please describe the usage of hot water consumption

* Please indicate the type of hot water heating system: Boiler Hot water heater

Other:

* Please indicate the average hot water consumption: (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 and proposed hot water heating strategy:

* Please provide the solar collector control sequence or logic with respect the hot water demand:

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Section 7 – Project budget proposed for the solar preheating system

Please complete the table below and give the cost, before taxes, for each expenditure item.

Components of solar air preheating system			
	Cost \$ (excluding taxes)	Comments	Datech (Cost estimated by Énergir ⁶)
Cost of collectors			
* Solar collectors and supports			
* Insulation and piping connecting to the collectors with the auxiliary heating system at the interface			
* Pump, storage tank and fittings			
* Heat exchanger			
Other (please specify)			
Sous-total			
Other			
* Roof structure reinforcement			
* Modification to process to convert it to solar preheating			
* Controller for the solar preheating system			
* Number of control points: _____			
Total cost of equipment			
Project implementation costs			
* General expenses			
* Engineering expenses			
Other (please specify)			
Sub-total			
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			

Complete the blank cells edged in blue

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⁶ Énergir reserves the right to review eligible costs.

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Section 8 – Calcul de la PRI

Price of natural gas

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

Annual natural gas savings – Section 4 (m ³)	Annual saving (\$)	Total cost of project – Section 7 (\$)	Payback period ⁶ without grant (years)	Datech

The participant agrees that Énergir may share information with external organizations. The participant also agrees that Énergir may revise the amount of financial assistance to take into account any external financial aid received, or to be received.

Complete the blank cells edged in blue



⁶ Simple return on investment, excluding variations in the price of energy.

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Section 9 – Information about financial contribution from other organizations

The customer declares hereunder the financial assistance received, or expects to receive, from another organization for the solar preheating system.

Name of organization	Name of grant	Amount (\$)

The participant agrees that Énergir may share information with external organizations. The participant also agrees that Énergir may revise the amount of financial assistance to take into account any external financial aid received, or to be received.

Declaration

I, the undersigned, (the “customer”), hereby wish to inform Énergir of my intention to install a solar preheating system at the facilities situated at the address indicated on this form. The participant understands that, in order to benefit from this Grant, the simulation must respect the eligibility criteria and all the terms and conditions of the Grant, as described in the *Participant’s Guide*.

The participant acknowledges having noted the eligibility criteria and all the Grant’s terms and conditions, as described in the *Participant’s Guide*, and confirms his/her respect of those terms and conditions.

The participant declares that the information provided in all the documents submitted in connection with his/her participation in this Grant is accurate and complete. The participant acknowledges that any false declaration may lead to a full repayment of the financial assistance awarded by Énergir.

Please submit the following documents:

- Results of enclosed simulation as well as computer files to energyefficiency@energir.com.
- Estimates and quotes.
- Detailed diagrams of the preheating system supplied by solar energy.

* Name of customer:

* Company:

* 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

