

## Case Study Specification – Pellet Stoves / Boilers

### Section I. Installer

Installer Contact Information
Installer Name:
Business Name:
Business Address:
Business Phone:
Business E-mail:
Business web address:

Installer Qualification
Qualifications:
Training relevant to pellet stove / boiler installation (please note duration of training course in hours):
Number of installations of pellet stove / boiler equipment to date:
Potential capacity for installations per year:

### Section II. Case Study

*Please provide information on a pellet stove / boiler system that you have personally installed in a residential building in order to illustrate your competence in this area, using the case study template provided below. The pellet stove / boiler system installed can be for hot water only or for space heating and hot water (combisystem). Where available, additional reference sites should also be listed. Note that the installation submitted as a case study, and those submitted as additional reference installations, may be selected for sample inspections by SEI.*

Case study installation
Date of installation start-up:
Address of Dwelling including name and telephone number of contact person:
Size of dwelling (sq. ft.):
Number of inhabitants:
Your involvement in the pellet stove / boiler installation (tick appropriate box): <input type="checkbox"/> Sale <input type="checkbox"/> Design and sizing <input type="checkbox"/> Installation of pellet stove / boiler <input type="checkbox"/> <input type="checkbox"/> Electrical installation <input type="checkbox"/> Commissioning and customer hand-over <input type="checkbox"/> Maintenance
Did you work on the rest of the heating system? <input type="checkbox"/> Yes <input type="checkbox"/> No. Explain:
Are inhabitants aware their installation may be selected for inspection?

Case study installation description
<i>Please provide a description with sufficient detail for each numbered section below addressing each of the specific points identified. Where appropriate, you can use photographic material or technical drawings to describe the installation.</i>
<b>1. Sizing and design of the system</b>
Size of the pellet stove / boiler (kW):
If stove, with or without integral boiler? (yes/no):

Please briefly describe the sizing and design, explaining the choice of the pellet stove / boiler solution adopted (type of unit, location of equipment, back-up heating, etc.) and describing the method used to size the system:

## 2. Installation of pellet stove / boiler

Details of the pellet stove / boiler (incl. manufacturer, make and model number):

Hearth existing or new?:

Hearth material / non combustible?:

Hearth supports stove / boiler & chimney independently?:

Chimney existing or new?:

Chimney lined/ liner type?:

Flue outlet above roof level?:

Flue sweeping position adequate?:

Balanced flue / opening free area (mm<sup>2</sup>)?:

Extract fan in same room as pellet stove / boiler?:

Safety system on fuel feed to prevent burn back?:

Are dry fuel storage facilities of sufficient capacity provided?:

Please describe the pellet stove / boiler installation:  
*(Please address any location specific issues, safety devices, thermal insulation, shut off valves, fuel storage, fuel feed, etc.)*

## 3. Controller and electrical work

Type of control system for pellet stove / boiler (make, model, main functions):

Storage tank temperature sensor(s) (type, location, connection):

Please describe the control systems and electrical work  
*(please address the protection against overheating)*

**4. Safety**

Please describe the safety measures included in the installation:  
(please address protection against scalding, and safety of the electrical installation)

**5. Domestic hot water installation**

Safety valve and non return valve?:

Disposal of heat when appliance is slumbering?:

Hot water pipes insulated properly?:

Overflow from safety valve sent to the drainage?:

Please describe the pellet stove / boiler interconnection to the hot water installation:

**6. Back-up heating**

Type of back-up heating:  instantaneous  by accumulation

Position of heat exchanger:  in tank  outside tank.

Level of supply and return connections (compared to tank height):

Type of fuel:  gas or oil  electrical  renewable energy: .....

Control of back-up heating:

Please describe the back up heating provisions:

**7. Commissioning & Hand-over, Maintenance, Warranties:**

End user aware of correct fuel to be used?:

Please describe the commissioning and hand-over procedure followed:  
(Please address the following: check-list used, users' manual provided, training provided, maintenance service offered, warranties for equipment and labour provided):

Have you had to call back following installation completion?

<b>8. Finance:</b>
Cost of equipment:
Cost of labour:
Financing option given (loan, payment in instalment, etc.):
Estimated annual savings (in energy unit or euro):
<b>9. Further information:</b>
What kind of assistance have you received from the pellet stove / boiler equipment manufacturer or supplier (training, on-going technical support, installation manuals, etc.)?
Any further comments:

The information presented above is certified sincere and accurate (please sign):

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Please indicate if you would like to have your case study available on the Residential Renewable Energy Grant Programme installers list  Yes  No, please keep my information confidential

Please return this case study to Sheila Judge  
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 Glasnevin Dublin 9