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The Heat in Buildings Bill Consultation – opportunities for green heat installers

Green Heat Installer
Engagement Programme

24 January 2024



Presenters

Pilar Rodriguez	Green Heat Installer Engagement Programme Manager, Energy Saving Trust	Presenter, Q&A Panel
Karen Major	Head Strategy, Heat in Buildings Division, Scottish Government	Presenter, Q&A Panel
Craig Denham	Domestic standards, Heat in Buildings Division, Scottish Government	Presenter, Q&A Panel
Antonia Georgieva	Enforcement and Monitoring, Heat in Buildings Division, Scottish Government	Presenter, Q&A Panel
Lyle Cavin	Loans and Grants, Heat in Buildings Division, Scottish Government	Q&A Panel

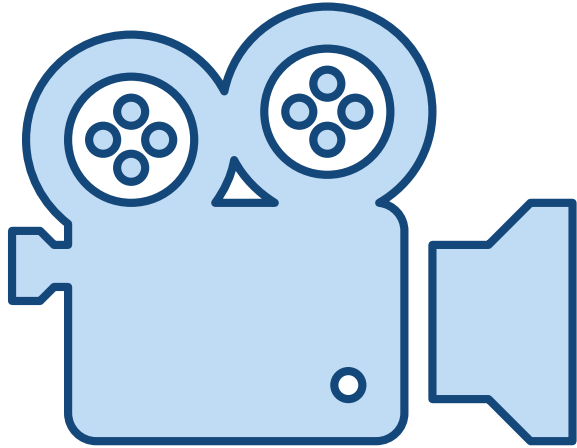
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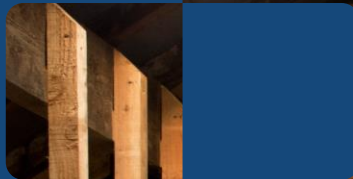
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Green Heat Installer Engagement Programme

Pilar Rodriguez

24.01.24



Green Heat Installer Engagement Programme



Resources hub

Support hub for small businesses working on energy efficiency, heating systems and micro generation. Find research, case studies and online tools to...



Green heat installer events

We organise networking events, webinars, workshops and information sessions. All free of charge. Find out more about our upcoming sessions.



Skills, funding and certification

Discover the certification requirements as an installer or assessor looking to carry out work under various schemes.




Funding for your customers

Energy Saving Trust helps consumers access funding to make energy efficiency improvements and renewable energy additions to their property.

Resources to support the green heat sector

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Energy Saving Trust toolkits



Insulation toolkit

Find out everything you need to know about becoming an insulation installer in Scotland.


[Explore >](#)





Heat pump installers toolkit

Find out everything you need to know about becoming a heat pump installer in Scotland.

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Insulation toolkit

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Insulation toolkit

Contents

- 1 Why do homes and commercial buildings need insulation?
 - 1.1 Heat loss
 - 1.2 Typical insulation measures
 - 1.3 Policy landscape
 - 1.4 The business opportunity
 - 1.5 Frequently asked questions
- 2 **Installation**
 - 2.1 **Product standards and selection**
 - 2.2 **Installation standards**
 - 2.3 **Pre-installation inspections**
 - 2.4 **Other considerations**
 - 2.5 **Further information**
- 3 Upskilling & qualifications
 - 3.1 Typical roles
 - 3.2 Training providers
 - 3.3 Funding for training
- 4 Installation certifications
 - 4.1 Requirements for TrustMark registration
 - 4.2 Achieving and maintaining TrustMark registration

[Insulation toolkit](#) / 2. Installation

2. Installation

What to consider before retrofitting insulation to a building.

[Copy page link](#)

The aim of the process is to ensure that the right materials are installed by skilled individuals in properties that are suitable for treatment and that the work complies with the legal requirements.



Heat Pump Toolkit

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Heat pump installers toolkit

Contents

- 1 Why heat pumps?
 - 1.1 What is a heat pump?
 - 1.2 Policy & legislation
 - 1.3 Increased uptake
 - 1.4 Funding for heat pumps
 - 1.5 Heat pump myths
- 2 Installation considerations
 - 2.1 Differences between a gas boiler and a heat pump
 - 2.2 Who do I need in my team?
 - 2.3 Building survey
 - 2.4 Heat pump design
 - 2.5 Electrical load check
 - 2.6 Planning permission
 - 2.7 Where to source a heat pump?
- 3 Upskilling & qualifications
 - 3.1 Installer skills matrix
 - 3.2 Training providers
 - 3.3 Funding to support installer training
- 4 Heat pump certification
 - 4.1 Funding to become MCS certified


[Heat pump installers toolkit](#) / 2. Installation considerations

2. Installation considerations

What elements do you need to consider before installing a heat pump?

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When installing a heat pump for the first time, there are a number of things that need to be considered. From the actual installation process to sourcing a heat pump, there are requirements you should look at when installing a heat pump.



Mobile Heat Pump Training centre

Delivering training across Scotland



energysavingtrust.org.uk/business/energy-efficiency/green-installer/heat-pump-training

Funding for MCS certification



Scottish Government MCS certification fund for heat pumps:

- For heating engineers with an interest in installing heat pumps (either air, ground or water source)
- The grant pays 75%, up to a maximum of £1,000, of the certification fees
- Until the end of March 2024 or until funds run out.
- To apply visit:

energysavingtrust.org.uk/grants-and-loans/mcs-certification-fund

More resources

- [How to become a heat pump installer in Scotland](#)
- [Domestic heat pump best practice guide](#)
- [Procurement guide](#)
- [Case studies to encourage the industry to upskill](#)
- [Recorded and upcoming webinars](#)



Resources hub



Green heat installer events

Green Heat Installer Engagement Programme – useful links



Email: GreenInstallerScotland@est.org.uk



LinkedIn Group: www.linkedin.com/groups/5139242



Email updates and quarterly newsletter subscription: bit.ly/2PSatKL



Website: energysavingtrust.org.uk/business/energy-efficiency/green-installer

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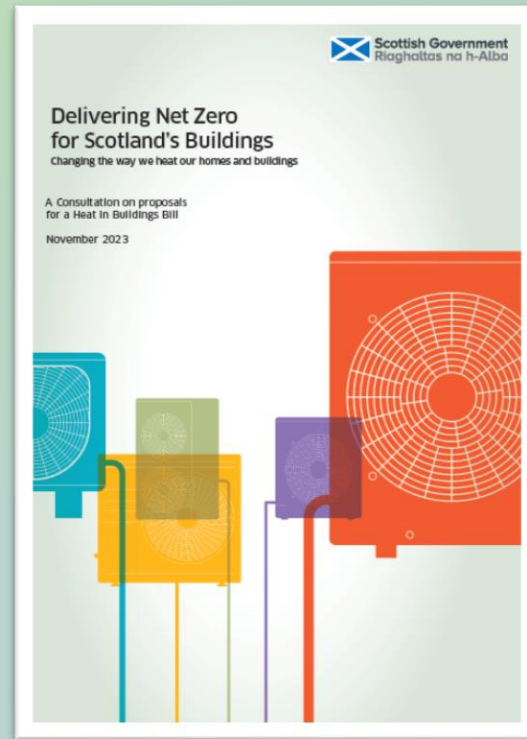


Thank you



Consultation on proposals for a Heat in Buildings Bill

28 November 2023 – 8 March 2024



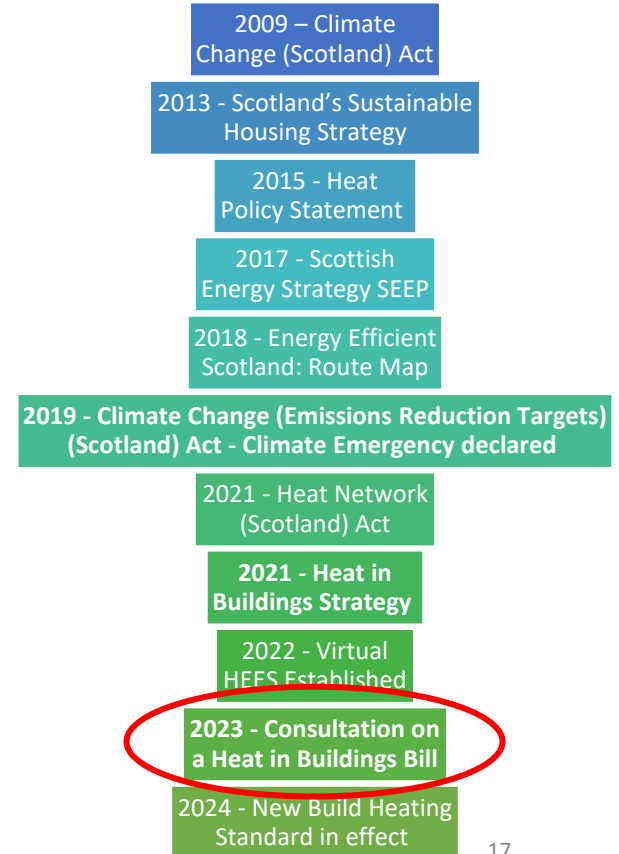
Heat in Buildings Bill: The challenge

The Challenge:

- meeting our legal target to reach ‘net zero’ greenhouse gas emissions.
- the way we heat our homes, workplaces and other buildings is the third-largest cause of greenhouse gas emissions in Scotland.
- “polluting heating systems” like gas and oil boilers need to be replaced by “clean heating systems” like heat networks, heat pumps or electrical heating.

The need to legislate:

- the current rate of switching to clean heating is far short of what is needed to reach our climate change targets.
- at the current pace it would take several hundred years to reach net zero, so we must take action to support more demand for clean heating systems.



Heat in Buildings Bill: The consultation

The consultation:

- sets out and seeks views on proposals for a Heat in Buildings Bill which would:
 - prohibit on polluting heating systems
 - requirement to meet a minimum energy efficiency standard
 - allow Ministers to require building owners to meet these standards at certain ‘trigger’ points;
 - or to grant them extra time to comply under specific circumstances, or to exempt them.
- makes clear that our proposals are designed to apply where it is affordable, fair and feasible,
- and to make sure they are consistent with the Scottish Government’s commitment to a Just Transition.

Domestic properties:

Proposals include setting a "Heat in Buildings Standard, which consists of two main parts:

- **Prohibition on the use of polluting heating systems** after 2045 and progressively at certain ‘trigger’ points before then
- making sure that homes meet a reasonable **minimum energy efficiency standard** by the end of 2028 (private rented sector) and end of 2033 (owner occupiers).
- (separate consultation on an equivalent standard for social housing is also underway)



More detail : Setting a ‘Heat in Buildings’ Standard for heating

Heating

- We are proposing that **polluting heating systems will be prohibited by the end of 2045**.
 - covering all main heating systems (not secondary or backup systems)
 - Including systems like gas boilers, oil boilers and LPG systems.
 - these polluting heating systems will need to be replaced with a **clean heating** solution
 - Clean heating includes air or ground source heat pump, electric storage heaters or boilers, or through a connection to a heat network.
 - It will be for individuals to choose the system best suited to their circumstances.
 - The prohibition will come into effect for all properties not affected by an earlier trigger or backstop date after 2045.



Early action – we are asking for views on 2 options to require some people to make this change before 2045.

1. **after purchase of a new home or property** within a defined “grace period”. We are seeking views on how long that grace period should be – between 2 – 5 years.
2. **when a heat network becomes available** within a heat network zone identified by a local authority. Building owners would be required to end their use of polluting heating by either joining that network, **or** changing to another form of clean heating of their choice. There would be no obligation to join the network.

Rationale for purchase trigger

- around 100k house sales in Scotland p.a. where an EPC must be produced by the seller
- EPCs provide information on the main heating system(s) and will (following planned reforms) provide information on alternative clean heating systems, if not already installed
- prospective **buyers** can see whether the property has a clean heating system and may wish to take this into account
- potential **sellers** may also consider investing in measures to meet the standard to make their property more attractive to buyers, potentially achieving a higher sale price.

More detail - Setting a 'Heat in Buildings' Standard for energy efficiency

Energy Efficiency

- We are proposing that homes across Scotland meet a minimum standard of energy efficiency
- We are seeking views on two ways to achieve this:
 - **1) by installing a list of fabric measures** from a specified list, or
 - **2) making sure the home reaches a good level of fabric energy efficiency as evidenced through an assessment**

1) List of Measures – these measures are lower cost and disruption and would ensure majority of Scotland's building stock achieves a good level of energy efficiency. Building owners would be required to install as many measures as are appropriate for their home from this list:

- cavity wall insulation;
- 270mm loft insulation;
- draught-proofing;
- heating controls;
- 80mm hot water cylinder insulation;
- suspended floor insulation

2) A good level of fabric efficiency could be evidenced by an assessment certificate – reformed EPC certificate could show where the home had achieved a certain level of fabric energy efficiency



For the **private rented sector**, the property should meet this energy efficiency standard **before the end of 2028** even if it has a clean heating system installed.

For all other **privately owned homes**, the property should meet this energy efficiency standard **by the end of 2033** – unless the property has installed a clean heating system by then.



The proposals: Flexibility and support

Flexibility

We know we will need to include flexibility when it comes to meeting the clean heating and energy efficiency requirements – reflecting the complexity of the housing stock and in a way which considers and responds to individual circumstances.

- We are proposing to give **extra time** to some people – for example, where a clean heating solution isn't available at present, or if they are currently using a bioenergy system.
- We are considering giving **extra time for properties** where more complex solutions to install energy efficiency measures will be needed, for example a tenement or flat where all owners might need to work together, or for listed buildings.
- We may also need to provide **variations** on what is required to meet the standard in some situations depending on the building's characteristics or unique circumstances.

Managing the costs

We know that this will be expensive for many and are thinking about how we can limit the costs of meeting the Standard.

There are a range of ways in which this might be done:

- A **flat 'cap'** of £X that applies to all homes;
- A **'size-based' cap**, that applies to all buildings based on their internal area (£X / m²);
- A **'purchase price-based' cap**, that applies to all buildings based on the price paid for the property (X% of the purchase price).

We are seeking views on whether a cost-cap is needed, on the methods of calculating a cost-cap (described in the consultation document) and any other views or ideas about a cost-cap that respondents have.



Thank You

For further information please contact:

HiBConsultation@gov.scot.

Have your say:

<https://consult.gov.scot/energy-and-climate-change-directorate/proposals-for-a-heat-in-buildings-bill>

See the full document:

<https://www.gov.scot/publications/delivering-net-zero-scotlands-buildings-consultation-proposals-heat-buildings-bill/>



You can ask questions by typing them into the questions box of the control panel

Panellists:

Pilar Rodriguez	Green Heat Installer Engagement Programme Manager, Energy Saving Trust
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- **Email:**
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- **LinkedIn Group:**
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