

The Heat in Buildings Strategy: Challenges & opportunities for green heat installers

Green Heat Installer Engagement
Programme

30 November 2022



Presenters

Karin Brims	Policy Officer, Skills and Supply Chains, Heat & Energy Efficiency Scotland, Scottish Government	Presenter, Q&A Panel
Pilar Rodriguez	Green Heat Installer Engagement Programme Manager, Energy Saving Trust	Presenter, Q&A Panel
Andrew Law	Home Energy Specialist (Argyll and Lochaber), Home Energy Scotland	Presenter, Q&A Panel

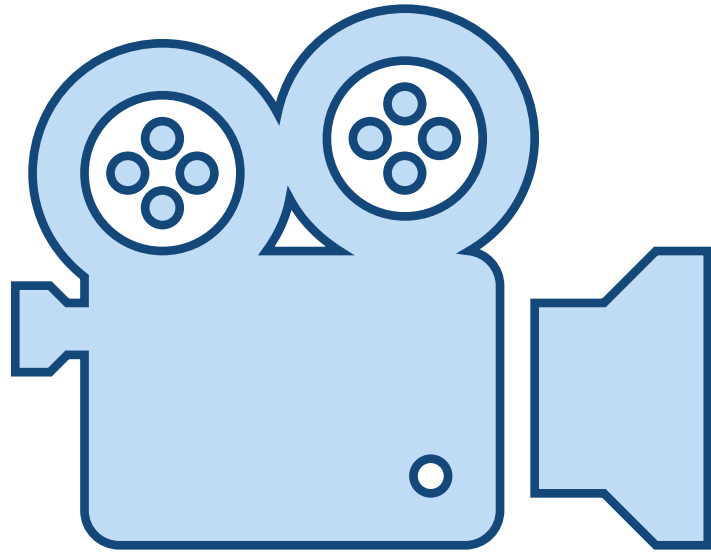
Questions

Type questions into the **Questions** pane of the control panel

You can send in your questions at any time during the presentation. These will be collected and addressed during the Q&A session at the end of the presentations.



Recording



This webinar is being recorded but your name and attendance is hidden from the recording.

The recording will be uploaded and will be made available to watch again.

Details of how to do this will be shared with you via email, after the webinar has ended.

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Scottish Government Heat in Buildings Strategy

The Heat in Buildings Strategy: Challenges & opportunities for the supply chain

Karin Brims

Economy, Skills and Supply Chain
Heat and Energy Efficiency Scotland
November 2022



Scottish Government
Riaghaltas na h-Alba
gov.scot



Scotland Statutory Targets:

Climate Change Emission Reduction Targets (Scotland) Act 2019

- Net zero emissions by 2045 and 75% reduction by 2030

Heat in Buildings Strategy Targets

- By 2045 all homes and buildings in Scotland must have significantly reduced their energy use **and** almost all buildings must be using a zero emissions heating system.
- All homes reach equivalent of EPC C by 2033
- By 2030 emissions from homes and buildings will have to fall by 68% against 2020 levels. This requires:
 - the **vast majority of the 170,000 off-gas homes** that currently use fossil fuels switching to zero emissions heating systems (such as heat pumps).
 - **At least 1 million on-gas homes** switching to zero emissions alternatives.
 - The equivalent of 50,000 non-domestic buildings



Strategic Technologies

- No and low regrets strategic technologies

Energy efficiency



Heat pumps in off gas areas



Heat pumps in on gas areas



Low and zero emissions heat networks



Other technologies

- Hydrogen may play a role in the longer term, but not likely before the late 2020's
- Direct electric systems could have a limited role, but challenging from a fuel poverty perspective
- Scope for continued innovation, but need to prioritise low regrets deployment



Where are we now?

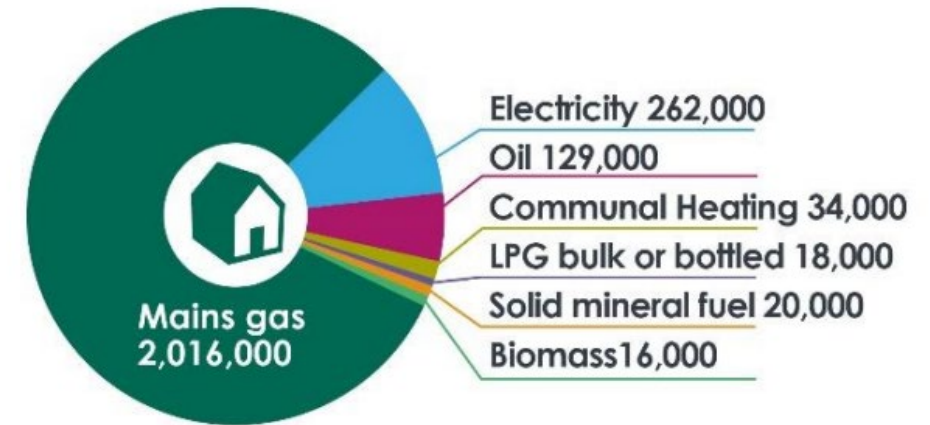
Domestic Energy Efficiency

- Around 55% of domestic properties are rated at lower than EPC C.
- At current rates – around **45,000 domestic properties** per year improve their energy efficiency to EPC C level
- Estimate that this needs to grow to and be sustained at approximately **100,000 each year** to reach our 2033 target.



Domestic Heating

- At current rates **only around 3,000 households per year** install low and zero emissions heating
- This needs to grow rapidly:
 - At least **64,000 per year in 2025**
 - Peak at over **200,000 per year in the late 2020s**





Jobs

Significant **jobs growth**.

16,400 additional jobs from heat transition



Economic Growth

£33 billion investment required by 2045
– a major economic growth opportunity
for Scottish companies.



Net Zero

Vital to Scotland to achieve carbon targets. Heating buildings accounts for **21% of Scotland's emissions**.

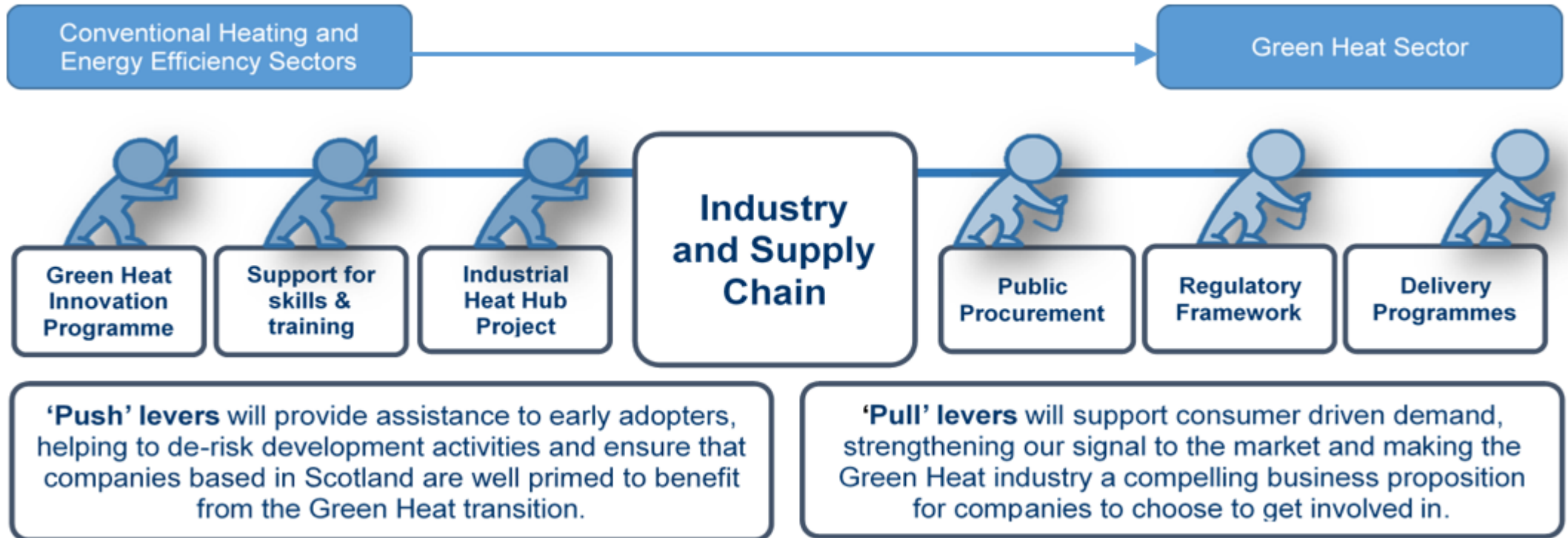


What we are doing

- We have committed to **make available at least £1.8bn** to build upon, expand and improve our heat and energy efficiency programmes over the next five years.
- Our Heat in Buildings strategy proposes a **framework of regulation**:
 - From 2024, newly consented **new build** homes to use zero emissions heating (and cooling)
 - Proposed new, **zero emissions heat standard** to drive heating system transition, phased in from 2025 with all buildings needing to meet this standard no later than 2045, where it is within our legal competence
- We published our **Heat in Buildings Quality Assurance policy statement**. This covers the standards, skills and certification required for installers on Scottish Government schemes, ways to tackle scams and mis-selling and how to improve public engagement
- We launched the new National Public Energy Agency – **Heat and Energy Efficiency Scotland** to accelerate transformational change, including informing the public and providing expert advice.
- The **Green Heat Finance Taskforce** are investigating new approaches to unlock consumer finance
- On 11 November we published our **Heat in Buildings Supply Chain Delivery Plan**.



Supply Chains Delivery Plan



Thank you

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Green Heat Installer Engagement Programme

Pilar Rodriguez
Programme Manager

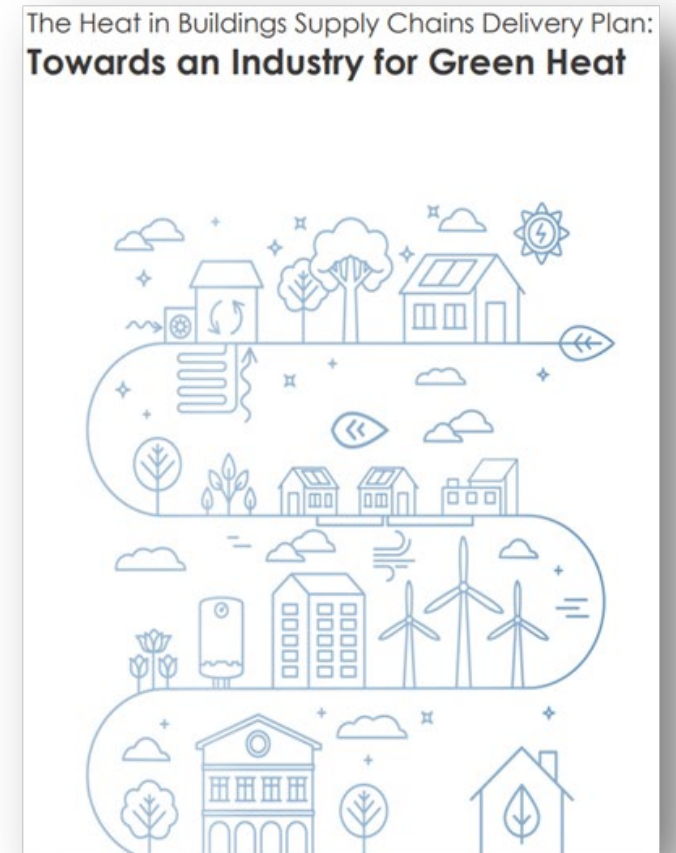
30 November 2022



Re-launch of the programme

Dedicated focus on working with installers in the heat and energy efficiency supply chain by:

- Building awareness of policy developments
- Collating intelligence and feedback from the supply chain
- Developing best practice guidance, toolkits and case study material for installers
- Supporting installers to become a trusted voice to consumers in the Green Heat transition



Support for green heat installers



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.

Funding for 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 2023 or until funds run out.

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

Resources



Resources hub

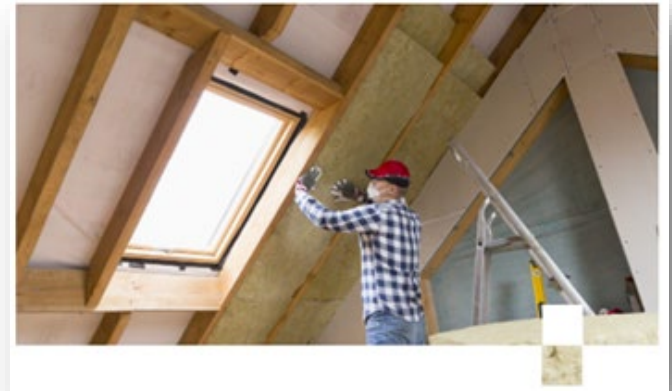


Green heat installer events

- [How to become a heat pump installer in Scotland](#)
- [Domestic heat pumps best practice guide](#)
- [Procurement guide](#)
- [Case studies on upskilling apprentices and workforce](#)
- [Recorded webinars](#)

More resource coming soon

- Free online tool kit to support combustion boiler installer to transition into heat pumps
- New case studies
- Events/webinars to support energy efficiency installers to get TrustMark certified



Green Heat Installer Engagement Programme - useful links

- Website:
energysavingtrust.org.uk/green-installers
- Email updates and quarterly newsletter subscription:
bit.ly/2PSatkl
- LinkedIn Group:
linkedin.com/groups/5139242
- Email:
GreenInstallerScotland@est.org.uk

Thanks for listening



Net Zero
Scotland
Scottish
Government



LET'S DO
NET ZERO



Home Energy Scotland: Home Improvements – A Wee Story

Andy Law – Home Energy
Specialist



My House



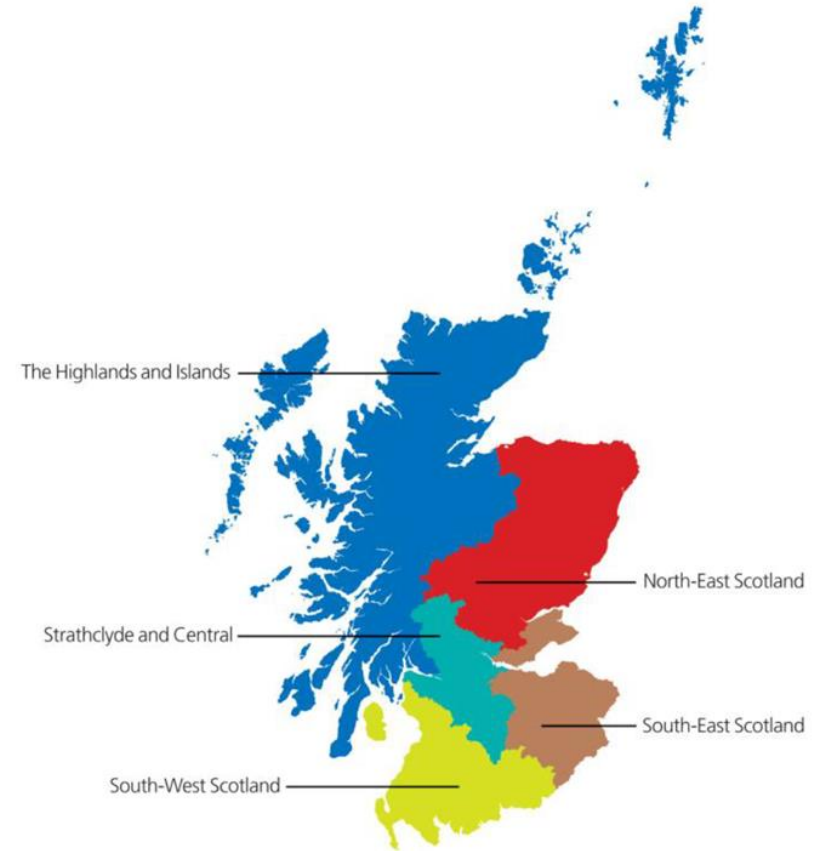
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Home Energy Scotland

- Free and impartial energy advice tailored to each customer's needs
- Funded by the Scottish Government and managed by the Energy Saving Trust
- We support over 90,000 households across Scotland each year
- We are working to tackle fuel poverty and reduce Scotland's carbon emissions



Scottish Government Help – Main Schemes

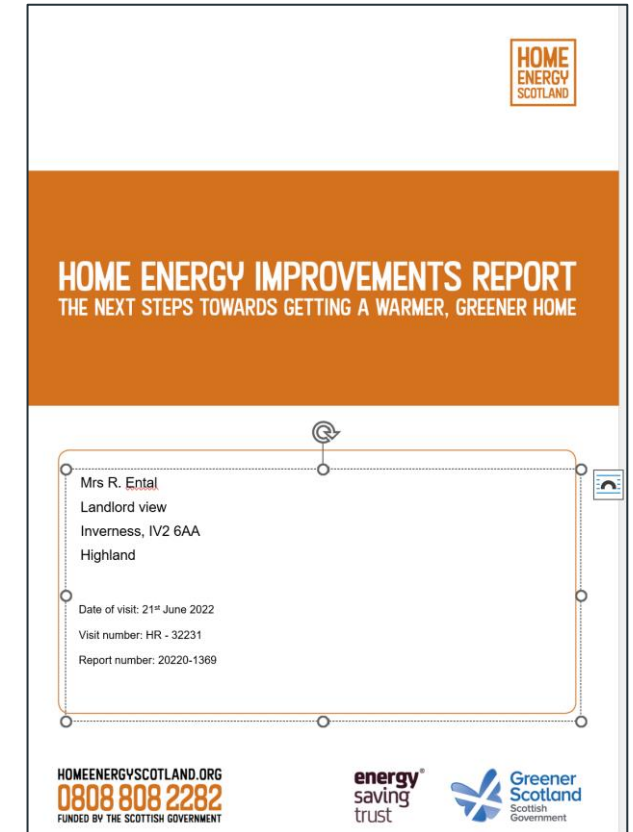
- **Advice – Remote Team and Outreach – Triage and Sign-posting.**
- **Warmer Homes Scotland – Householders with difficult personal circumstances.**
- **Local Authority Area Based Schemes – Insulation measures.**
- **Social Housing Issues.**
- **Home Energy Scotland Loan Scheme – including Grants ('Cash-back').**

My House – Early Days.



1930s Cavity Brick, Slated Roof, Suspended Floor, with 2018 Extension. 164 sq m.

- Some Insulation
- Oil Boiler
- Log Burner/Multi Fuel Stove
- No Renewables
- Home visit – 2017
- False Start



My House – Now – 8 Month Journey

- Not Warmer Homes Scotland
- No Local Authority Scheme Support – Council tax Band D (and not on an island or bad enough insulation)
- Home Energy Scotland Loan it was – revised report in April '22
- Insulation – loft - me; walls and underfloor – BCA
- Office Indicator – temperature drop – the Two Degrees
- Heat Pump & Solar (and Shed)

New House



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Shedding a Shed



More Shed Residue



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Heat Pump n'Stuff

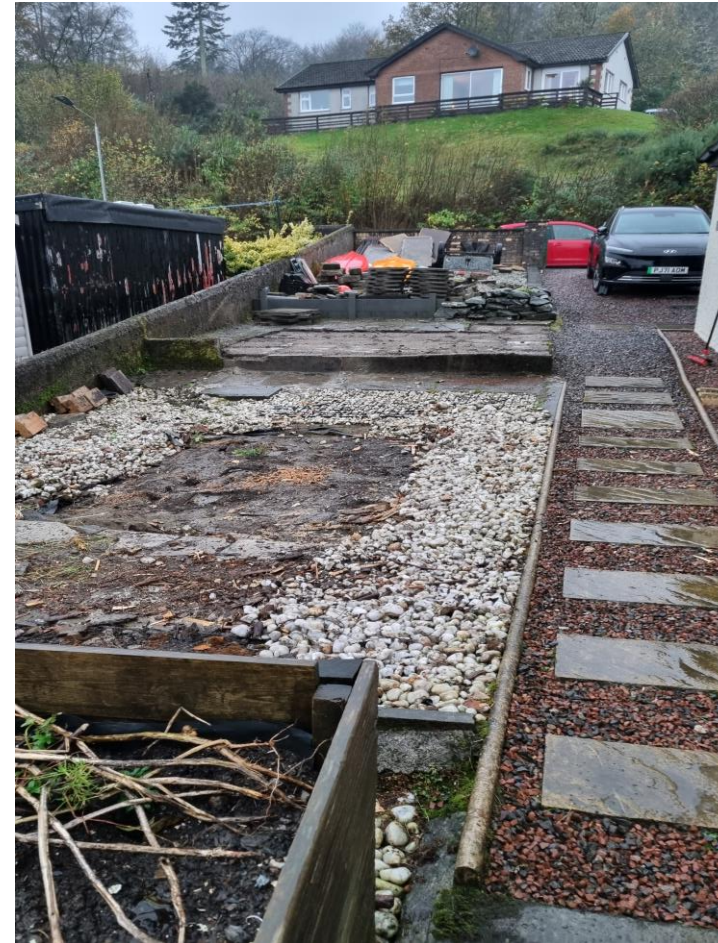


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Making Space





It's a Two — stage
weekend



That'll Put the Tin
Lid On It

Solar Arrives



- Or Did It?

- A bit!

Whole Lotta Loft

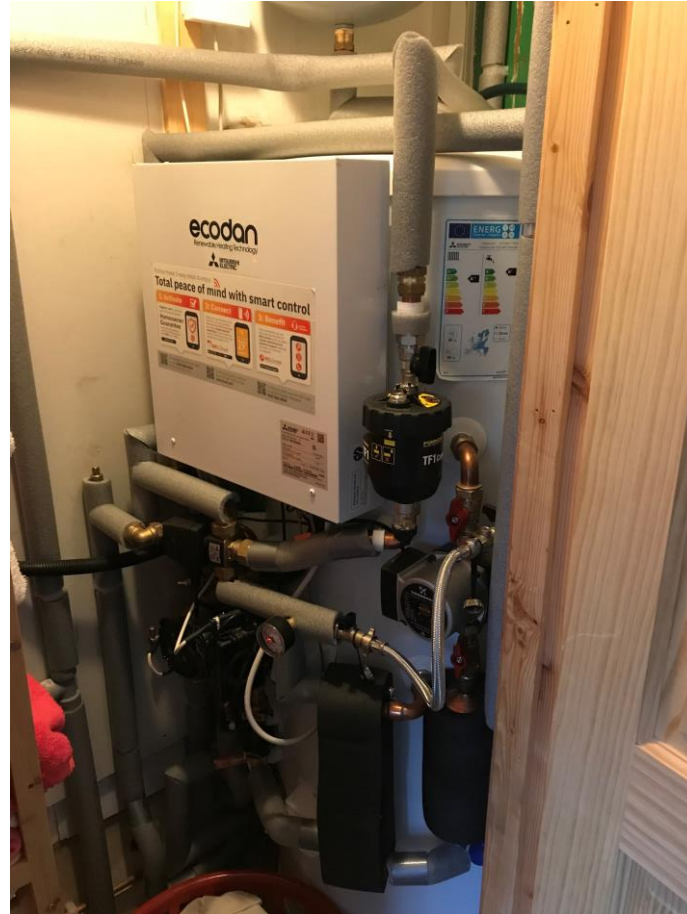


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New Hot Water Cylinder



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Costs and Benefits



Funding/Support



- Home Energy Scotland Loans – Householders
- Warmer Homes Scotland – Householders and Tenants (Insulation only for latter)
- Private Rented Sector Landlord loan
- Local Authority Insulation Programmes – Energy Efficiency Scotland
- Community Funding
- Business Support – Case by Case Basis
- Social Housing spin-offs
- Tariff Support - Government
- Energy Company Support



Lessons

- Plan
- Be Realistic on Timing
- Keep Good Records – it can be crash course in Project Management
- Not all Installers are created equal
- Insulate first and more
- Keep options open, but....
- Decide

Thanks for listening!

For advice and support please get in touch on

0808 808 2282

Or: andrew.law@hi.homeenergyscotland.org



Panellists:

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Thank you for attending

- **Website:**
<https://energysavingtrust.org.uk/business/energy-efficiency/green-installer/>
- **Email updates and quarterly newsletter subscription:**
bit.ly/2PSatkl
- **LinkedIn Group:**
<https://www.linkedin.com/groups/5139242/>
- **Email:**
GreenInstallerScotland@est.org.uk

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