



**Isle of Man**  
Government

*Reiltys Ellan Vannin*

Welcome to the

# Isle of Man Government Conference

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➤ Building a better future together





# Energy Efficiency Schemes

## Supporting the public with cost of living and decarbonisation

➤ Steve Forden  
Head of Energy Policy





# We Will Cover

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- Why we need to decarbonise building heating
- Keeping our homes warm – current energy efficiency schemes and their effectiveness
- The future of heating – where to next in supporting the public through the heat transition





# Residents' Views on Climate Change

- 76% of the public rate the issue of climate change as somewhat to extremely important
- 51% of residents believe climate change is already having an impact in the Isle of Man
- 62% think that the IOM Government could be doing more to reach net zero
- 75% of people are somewhat or very concerned about the financial cost of the energy they use at home
- 76% are already minimising the amount of energy they use at home (Island Global Research)
- In the latest survey, between 9% and 16% of households were in fuel poverty and this is likely to have risen substantially since the cost of living crisis





# Top 10 Carbon Emitting Areas

1.	Gas and Oil heating systems in buildings	= 183,462 TONNES CO2 PER ANNUM
2.	Electricity Generation	= 164,702 TONNES CO2 PER ANNUM
3.	Agriculture - livestock (cows and sheep) and soils (ploughing and tilling)	= 105,648 TONNES CO2 PER ANNUM
4.	Petrol and Diesel cars	= 87,058 TONNES CO2 PER ANNUM
5.	Domestic Air Travel	= 22,862 TONNES CO2 PER ANNUM
6.	HGVs	= 22,724 TONNES CO2 PER ANNUM
7.	Landfill	= 14,574 TONNES CO2 PER ANNUM
8.	Shipping	= 9,876 TONNES CO2 PER ANNUM
9.	Land use change - grassland to a settlement	= 7,820 TONNES CO2 PER ANNUM
10.	Land use change - grassland to cropland	= 5,862 TONNES CO2 PER ANNUM







# Our Legal and Statutory Commitments

2050

Net zero deadline

35%

Reduction in GHG emissions by 2030

45%

Reduction in GHG emissions by 2035

15%

Reduction in building emissions by 2027





# Support Schemes and Incentives





# Energy Efficiency Scheme

Free energy-saving items worth £750 plus £500 for fitting items in eligible households

- Order from a list of items including draught excluders, LED lightbulbs and loft insulation
- Available to homeowners and tenants
- Assess your home energy needs and complete an order form to receive a voucher
- Exchange your voucher at your nearest depot for your free energy efficiency items







# Energy Efficiency Scheme – Eligibility

## Two income-based thresholds

(based on gross income and including pensions)

- a) Your weekly income and the weekly income of every household member is below the Isle of Man median income, defined by the most recent Isle of Man Earnings Report. This is £613 per week, which equates to £31,876 a year, or
- b) The combined income of your household does not exceed £50,000 per year.

## OR a member of the household is in receipt of;

- a) Attendance allowance
- b) Carer's allowance
- c) Disability living allowance
- d) Employed person's allowance
- e) Income support
- f) Short term incapacity benefit or long term incapacity benefit
- g) Income based jobseekers allowance
- h) Child benefit at the full rate, equating to £24.20 per week
- i) A war disablement pension

## An additional £500 for installation can be claimed if you are in receipt of:

- Carer's allowance
- Disability living allowance
- Short term incapacity benefit or long term incapacity benefit
- War disablement pension
- State pension





# Energy Efficiency Scheme

Ensuring we reach the most vulnerable communities



live at home

SIGHT MATTERS

age concern  
Isle of Man

theWI  
Isle of Man



NSC  
NATIONAL SPORTS CENTRE

COVID-19 vaccine  
walk-in clinics





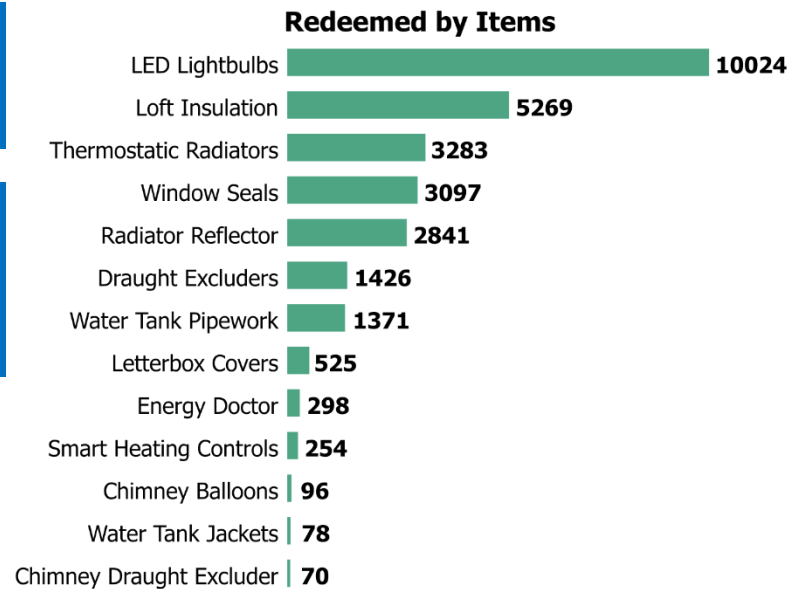
# Energy Efficiency Scheme

This scheme offers energy saving materials and devices free of charge to eligible households.

The total value of items redeemed as part of the scheme  
**£405,081.63**

**2,865**  
Total Orders

**2,202**  
Households Reached

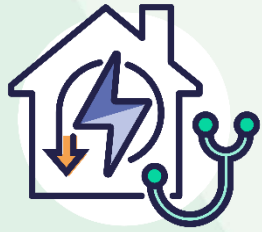


**Order Date**  
19/12/2022 – 11/09/2023

**2211** Homeowners  
**491** Local Authority Tenants  
**165** Private Sector Tenants  
**728** Ordered  
**1730** Redeemed  
**355** Part Redeemed  
**43** Spot Checks  
**9** Not Eligible







# Energy Doctor Service

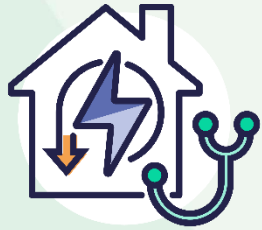
Free home energy health checks for any Isle of Man household

- 90 minute home energy audit
- Receive a home energy report on practical measures you need to implement to enhance energy efficiency and lower bill
- Items fitted or measured/ordered under the Energy Efficiency Scheme if eligible
- No eligibility criteria for audit and report



**Apply for a visit**  
Freephone **0808 1624 276**  
or email **energysave@gov.im**





# Energy Doctor Service

**298**  
Visits  
completed  
1 May to 12 Sept 2023



## Testimonials

"I was so impressed with Julia and Ryan. They were highly professional, extremely knowledgeable, efficient and also friendly and approachable. I am so grateful for all their advice and of course for the very material assistance given to me by the Isle of Man Government/ DEFA."

"I thought the team were fantastic. Prompt, efficient, knowledgeable and I am incredibly grateful for the service"

"Visit was very professional. They were both very knowledgeable and good advice was given."



**£204,000**  
estimated annual saving for  
for 300 homes

**1,702 items**

from EES supplied and fitted by the Energy Doctor

Chimney Draft Excluder	10
Door Draft Excluder	111
LEDs - 75w	249
LEDs - 60w	648
Letter box Cover	17
Radiator Reflective Foil	139
Thermostatic Radiator valve	386
Hot Water Cylinder Jacket	9
Pipe-work insulation	26
Window/door seal strips	62
Smart heating controls	45

## Common energy loss observations



- Broken or loose window hinges
- Boiler not set to optimal setting
- Many halogen bulbs still in use
- No or very little loft insulation in older homes
- No thermostats







# Green Living Grant Scheme

Financial help of up to £5,725 for eligible homes

- Manx Home Energy Audit
- Properties with an energy rating D or below, can obtain 75% funding for recommended works with a value of less than £1,000, and 50% for a value over £1,000
- Works eligible for support include insulated external doors, double glazing, electric boilers





# Green Living Grant Scheme – Eligibility

- Must be an Isle of Man resident and either the **owner, tenant, a person acting on behalf of the owner, or the landlord** (an individual not a business entity).
- Applications accepted from individuals (and their spouse, civil partner or partner if applicable). No business entities.
- The property will then receive the initial MHEA, to determine if their property meet the requirements of eligible premises. Those to have an **energy rating of D or below**.
- To receive a Green Living Grant, in addition to the above, the applicant's gross income, together with that of the person's spouse, civil partner or partner, must not exceed £112,000 gross (i.e. before deductions) per annum for the income tax year preceding that in which the application is submitted.





# Green Living Grant Scheme

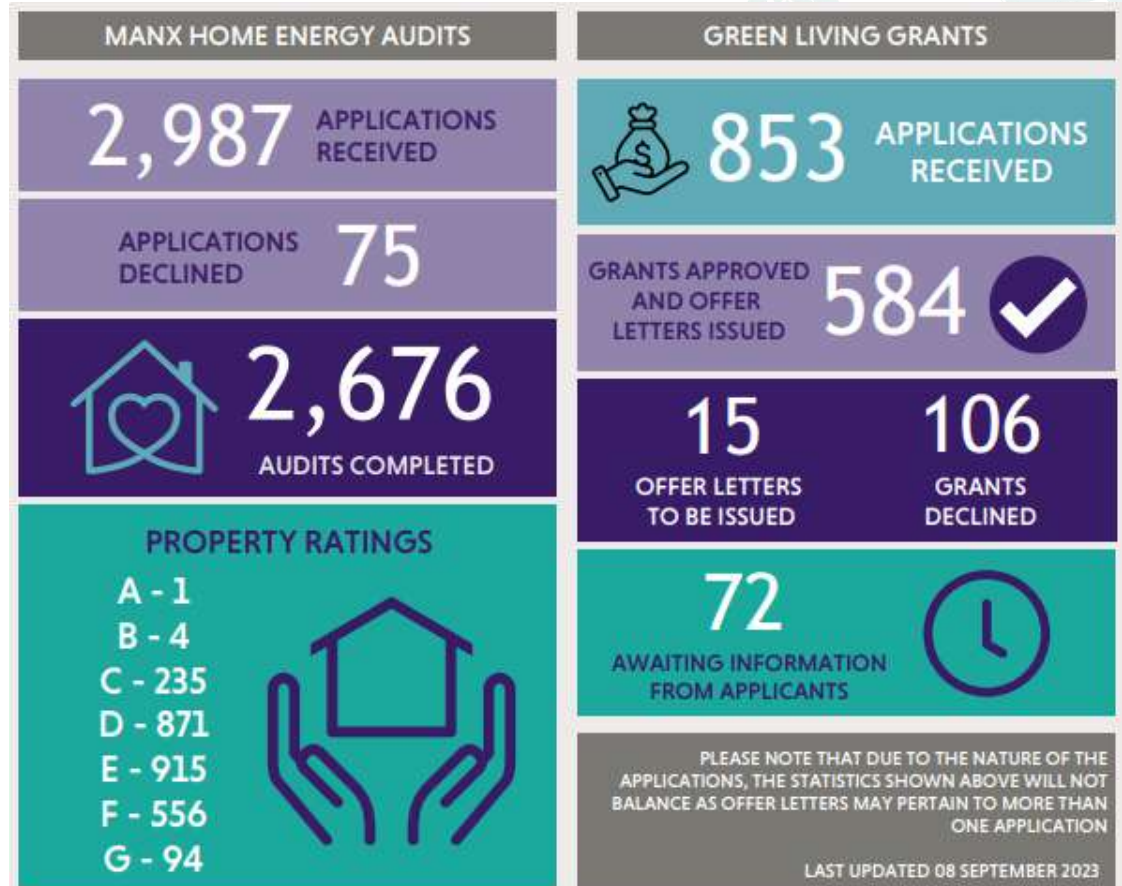
The Green Living Grant Scheme has made funding offers of

**£1,648,801**

To homeowners and landlords to make improvements to their properties



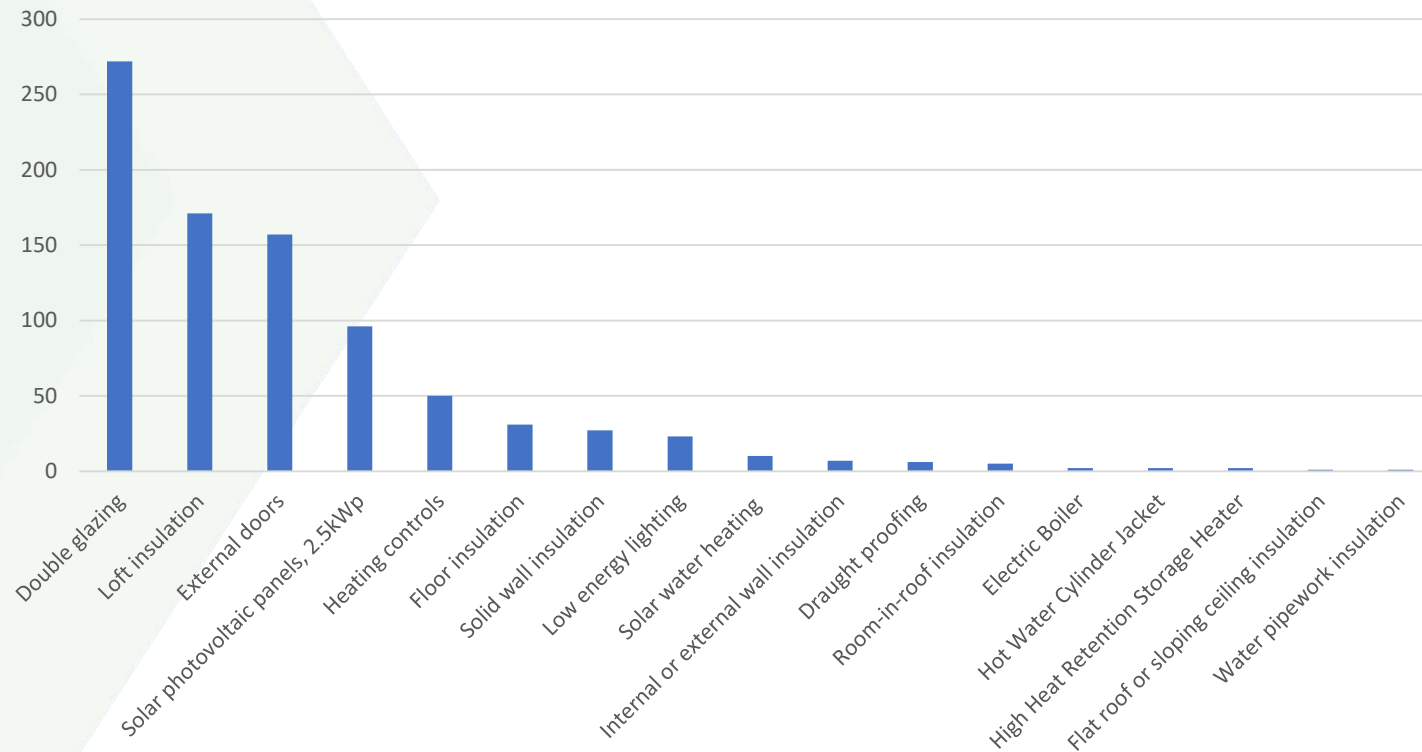
**£922,144** Has been claimed and paid to date





# Green Living Grant – Eligible Works

Quantity of items claimed through the scheme







# Manx Utilities Heat Pump Trial

## Heat Pump Trial

- A move to cleaner heating and benefitting from 300% more efficiency
- Make savings on energy bills with the Comfy Heat Tariff
- Receive advice and technical support
- Seven year warranty and annual servicing included

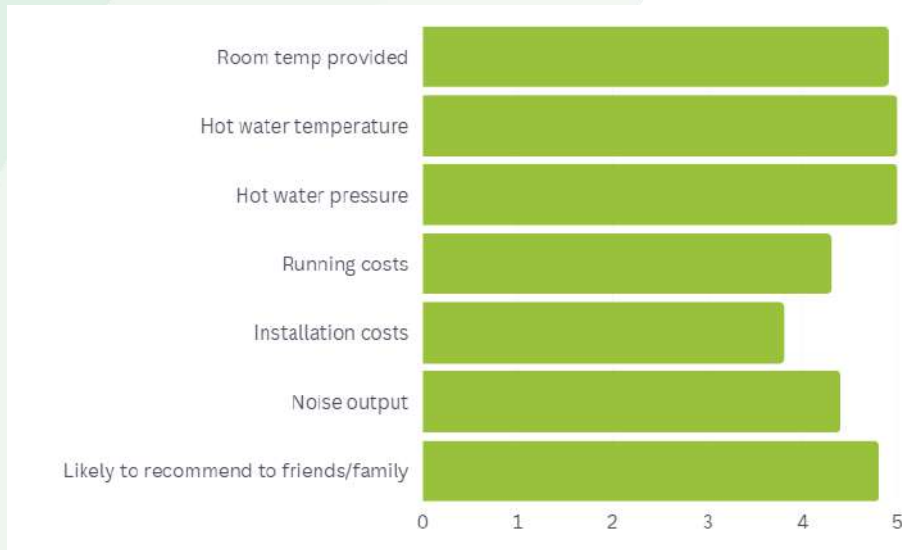






# Heat Pump Trial

A sample survey from 20% of early adopters in trial one resulted in the below scores which returned an average of 91% satisfaction from all categories.



*"We are delighted with the performance of the ASHP."*

*"We live in an 1830s Manx stone cottage and the outcome has been beyond our expectations."*

*"In the first year after installation, we have saved £770 on running costs compared to gas."*

## HEAT PUMP EMISSION SAVINGS

**82%** less emissions when compared to a gas boiler, and

**88%** less when compared to an oil boiler

Source: Gemserv Heat Pump Opex Study 2023





# The Low Carbon Heat Strategy in 2024

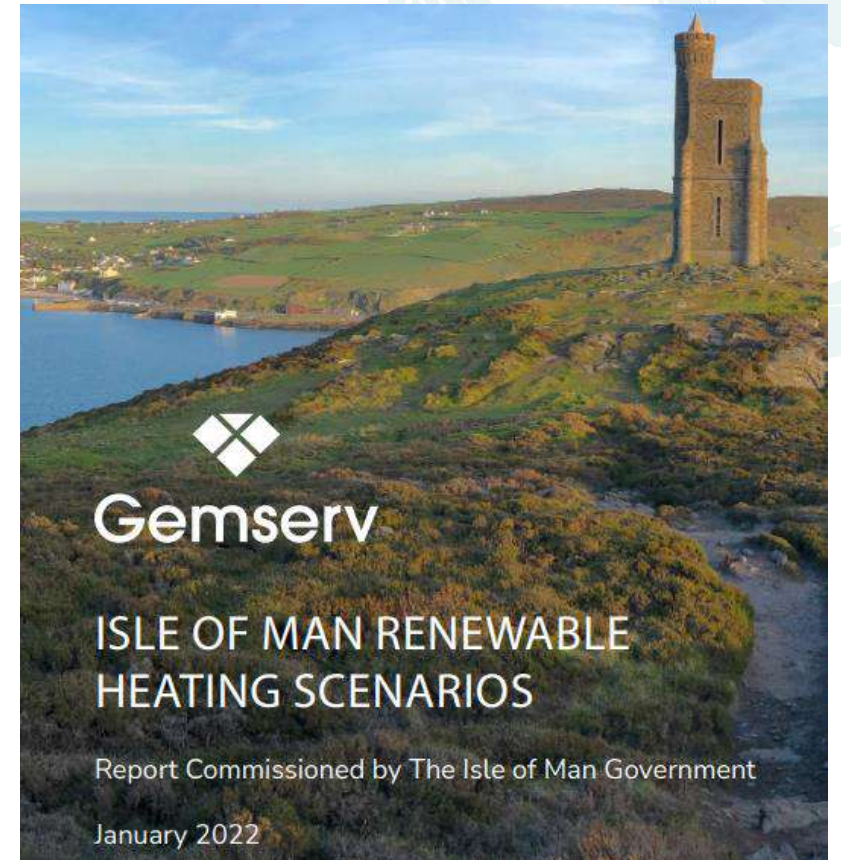
- Building performance standards
- Technology options and fabric improvements
- Developing supply chains
- Public engagement
- Policy levers and support schemes
- Just transition and costs
- Targets and phase out dates
- Infrastructure requirements





# Heating Scenarios

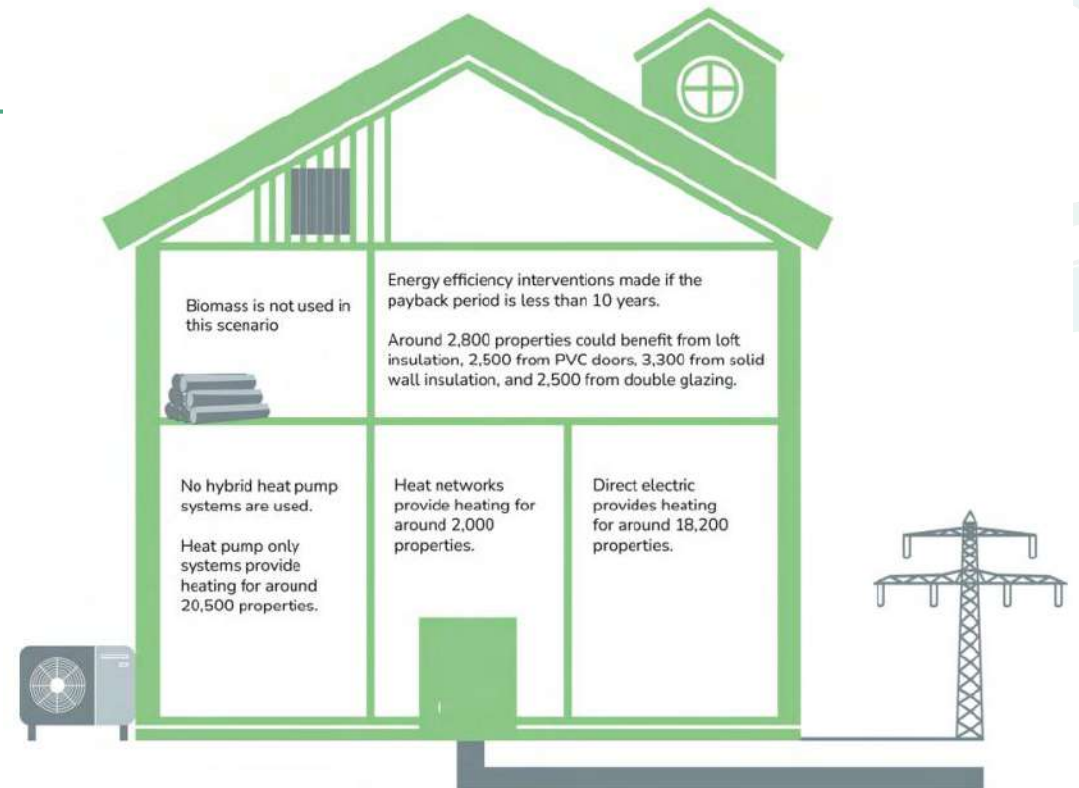
- Presents three future heating scenarios in order to decarbonise this sector
- They vary according to a range of assumptions, such as willingness to invest in fabric improvements
- All have a key role for heat pumps, then differ in terms of deployment of hybrid heat pumps, bioenergy and district heat
- There is no role for hydrogen





# Consumer Transformation Scenario

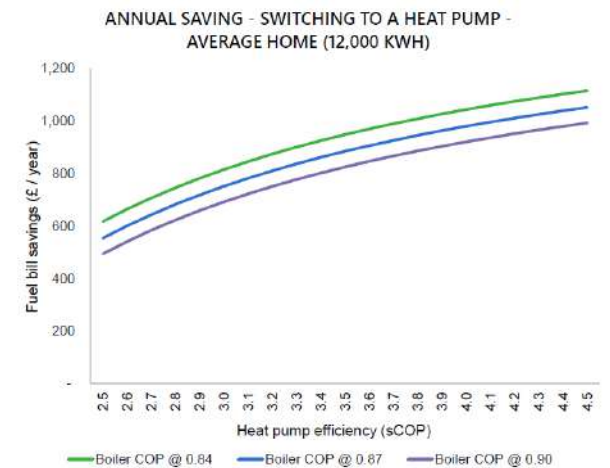
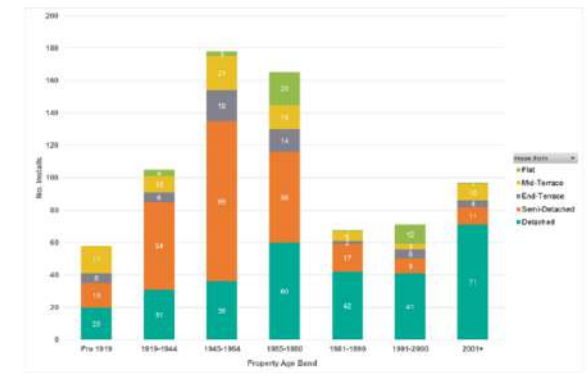
- A willingness to invest in fabric improvements with longer payback periods
- Allows insulation of older, more "difficult" properties
- This in turn makes this an electrification heavy scenario
- Some role for district heat





# We Have Technologies Ready to Deploy

- Major UK heat pump trial recently concluded:
  - All housing types (and ages) suitable for a heat pump
  - Major fabric improvements generally not required
  - High level of consumer satisfaction
  - Big operational cost savings are possible for gas, more challenging for oil consumers

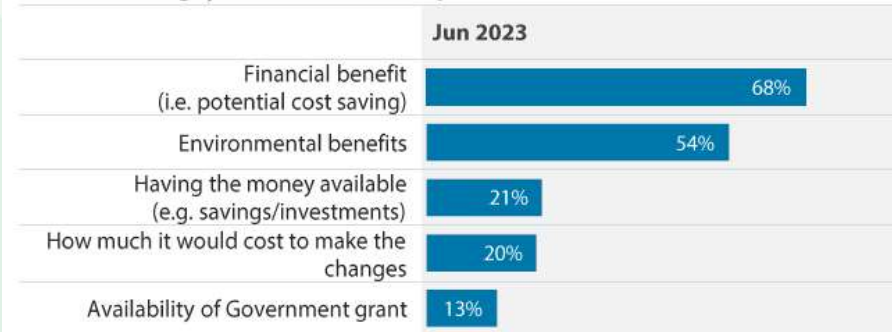




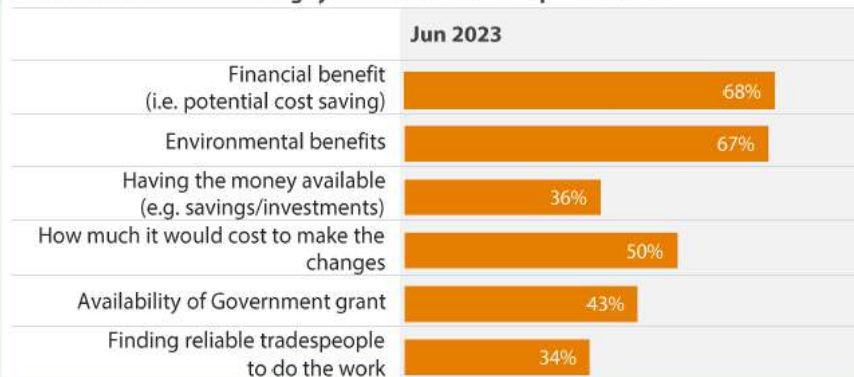


# Residents' Views on Low Carbon Heating

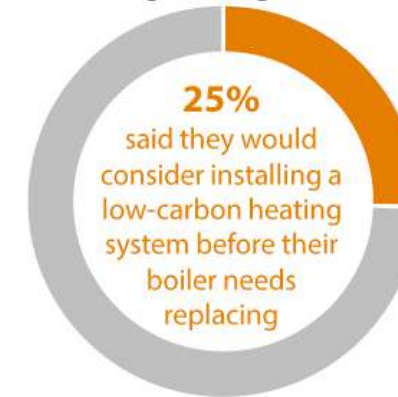
What were the most important considerations in your decision to install a low carbon heating system? Please select up to 3 reasons



Which are, or are likely to be, the most important considerations when deciding to install a low carbon heating system? Please select up to 3 reasons



Homeowners who do not already have a low-carbon heating system were asked if they were considering switching to one.



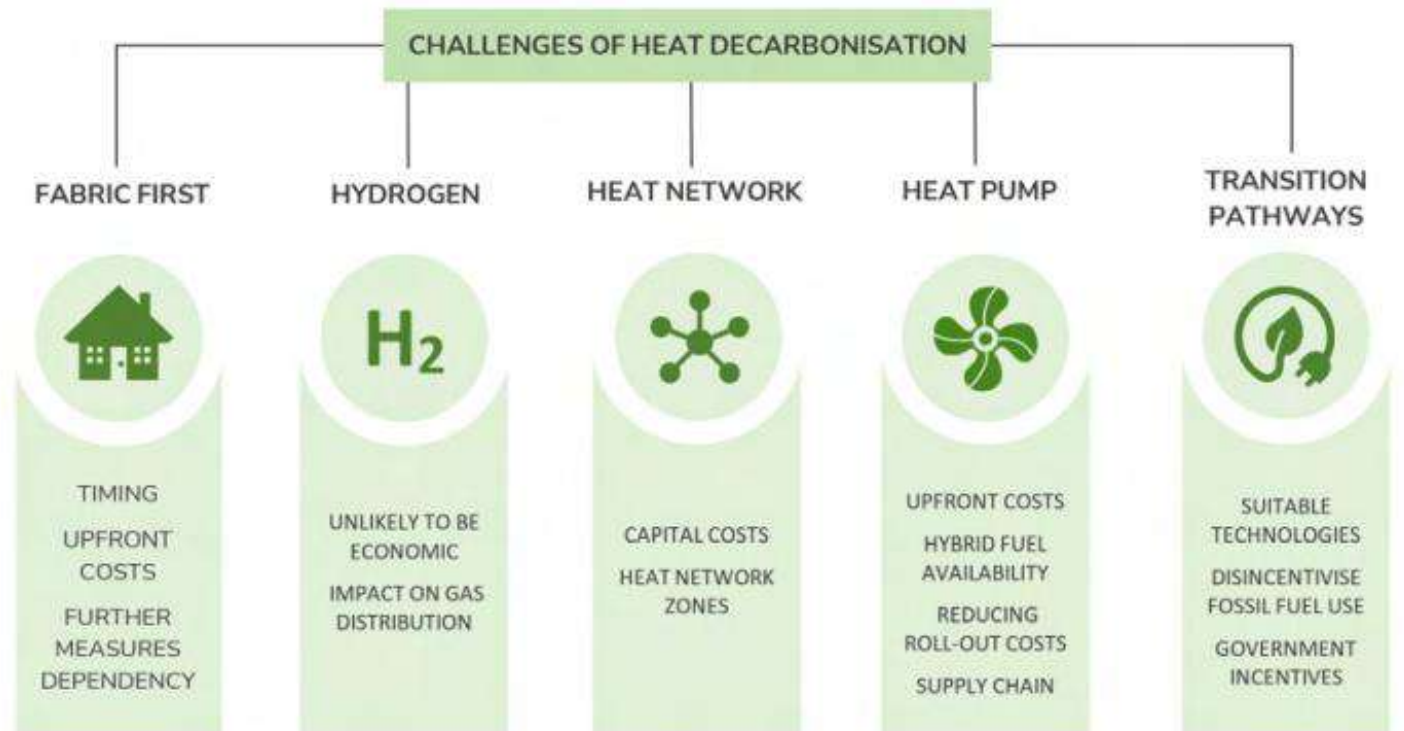
This includes:

- 7% who are currently considering switching to a low carbon heating system; 12% who are likely to consider one in the next 3 years; and 7% who said not in the next 3 years, but they are likely switch before their boiler needs replacing.



# There are a range of policy challenges we need to grapple with

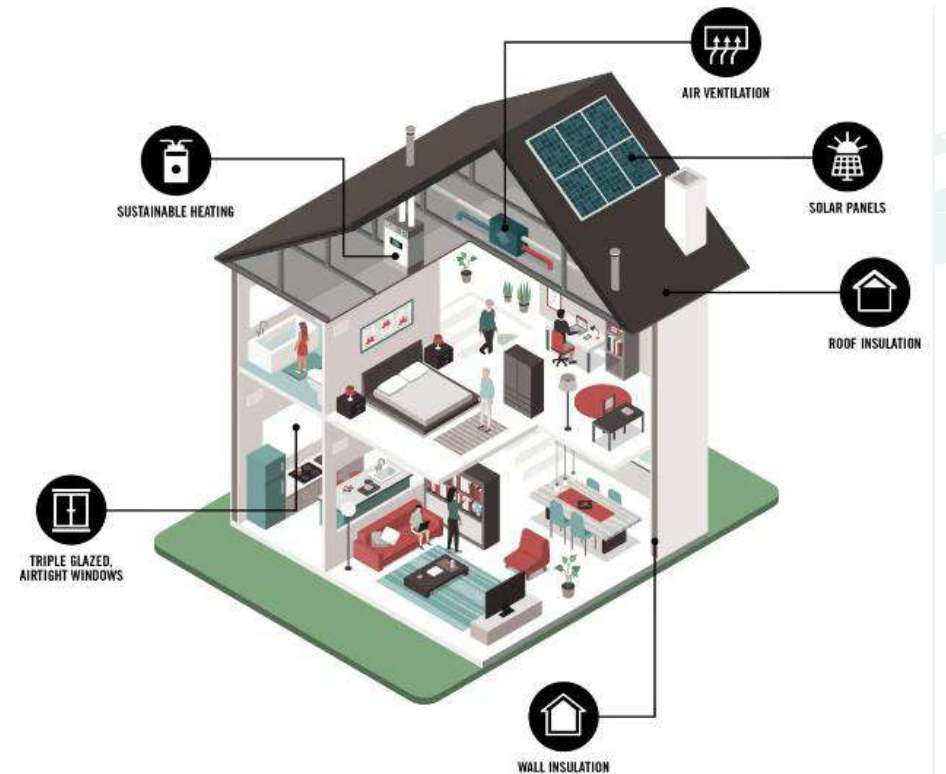
- Need to find the most cost effective approach, work with industry to develop mature supply chains and ultimately deliver an experience for all consumers that meets their needs, affordably.





# We are designing a new low carbon heat support scheme

- Currently conducting research to determine how to most effectively and fairly support different income groups
- Reviewing most appropriate financing mechanisms (e.g. grants, loans)
- Establishing the exact technologies we want to support, from heat systems to energy efficiency measures
- Also working with DOI on measures for public sector housing





# Meet the Energy Efficiency Team & Energy Doctors

**11am – 12pm**  
**Villa Atrium**



**JULIA & RYAN**

Energy Doctors



**ANGELA**

Energy Efficiency  
Scheme Team



**ELAINE**

Energy Efficiency  
Scheme Team







# Thank You

[www.netzero.im/energysave](http://www.netzero.im/energysave)

[www.netzero.im/heatingsystems](http://www.netzero.im/heatingsystems)

[climatechange@gov.im](mailto:climatechange@gov.im)

[energysave@gov.im](mailto:energysave@gov.im)

NET ZERO 

**ISLE OF MAN**







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