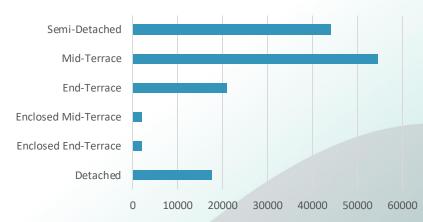
Energy & Sustainability

Leicester City Housing Stock What good retrofit looks like Barriers to Retrofit Energy efficiency in Leicester homes Private Sector Energy Projects and their achievements to date Private Sector Energy Projects in progress



Leicester City Housing Stock

ARCHETYPES



30000 25000 20000 15000 10000 5000 0 -1975 2017 2018 2019 2020 2023 -1995 2006 -2011 2012 2021 2022 before 1900 1900-1929 1930-1949 1976-1982 1983-1990 1950-1966 1996-2002 2003-1967-1991. 2007.

CONSTRUCTION AGE

Majority of Leicester's housing stock is early 1900's red brick semi-detached or mid terraced





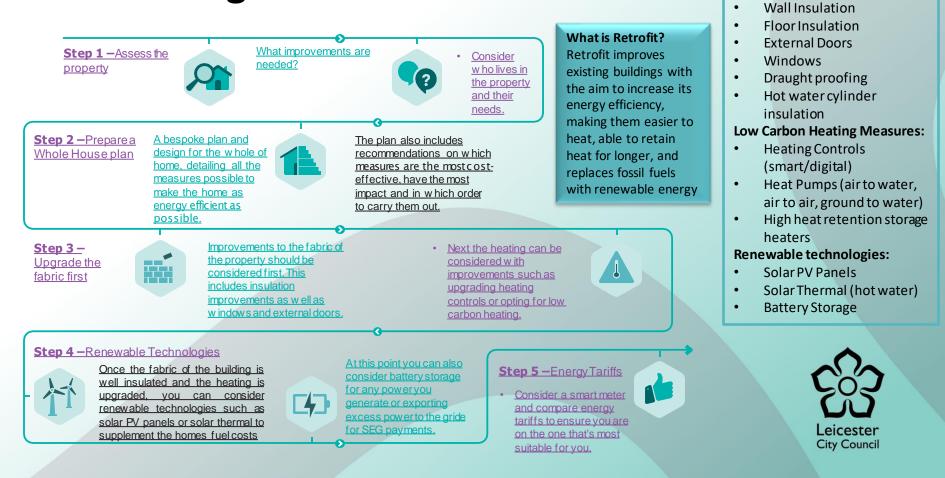


Co-benefits of retrofitting Leicester's homes

- Reducing fuel poverty and addressing the cost of living crisis
- Reducing damp and mould and improving internal air quality
- Health benefits to residents
- Climate justice supporting vulnerable groups as climate change mitigation moves forward
- Creating local jobs in retrofit installation
- Improving the local economic buying power of residents



What does good retrofit look like?



Fabric Measures:

٠

Loft/Roof insulation

Barriers to retrofit

- Solid wall properties
- Inaccessible loft spaces (full of belongings, small loft hatch)
- Homes in a state of disrepair
- Homes off the gas grid
- Homes in a conservation area, or grade listed homes
- Planning requirements to retain street scene/character of homes
- Occupant's cost of redecoration after intervention
- Occupant's values/preferences
- Occupant upheaval/disruption to life
- Cost
- Trained and reliable supply chain



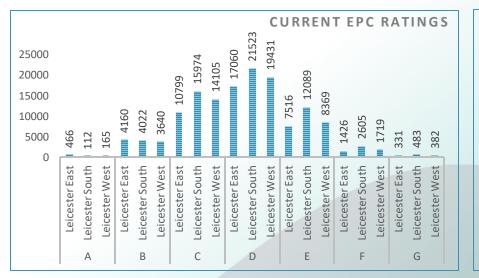








Energy efficiency of homes in Leicester



25000 20000 15000 10000 5000	1 2490	692 1117	22159	22532	23302	12987	23737	16974	3341	T562	5062	I 568	1 783	A 1081	158	417	213	22 22	85	62	5
		 Leicester South Leicester West 	Leicester East	ш Leicester South	Leicester West	Leicester East	O Leicester South	Leicester West	Leicester East	ロ Leicester South	Leicester West	Leicester East	m Leicester South	Leicester West	Leicester East	ㅠ Leicester South	Leicester West	Leicester East	م Leicester South	Leicester West	

Current

- 36% of Leicester homes are EPC C or above
- 40% of Leicester homes are EPC D
- 24% of Leicester homes are EPC E or below

Potential

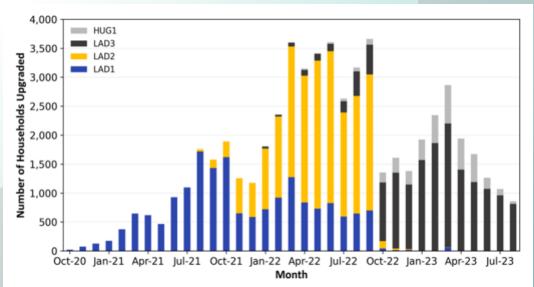
- 86% of Leicester homes are EPC C or above
- 11% of Leicester homes are EPC D
- 3% of Leicester homes are EPC E or below



Green Homes Grants Local Authority Delivery Scheme & Home Upgrade Grants

The LAD/HUG scheme aims to raise the energy efficiency of low income and low energy performance homes with a focus on energy performance certificate (EPC) ratings of E, F or G.

There were 4 phases of the scheme delivered since 2020.

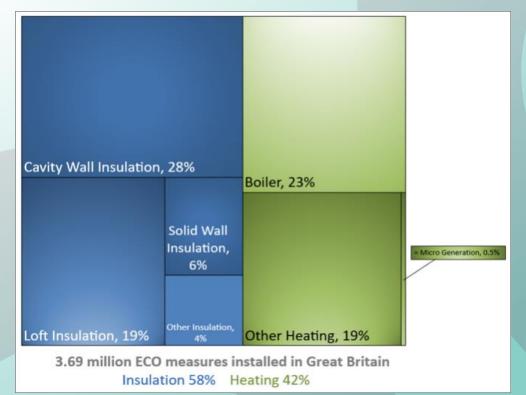


Cumulative Number of Households Upgraded Nationally by Month, for households upgraded to the end of August 2023



- ECO is a government energy efficiency scheme in Great Britain to help reduce carbon emissions and tackle fuel poverty.
- The scheme began in January 2013, and over time it has been amended.
- The scheme obligates major energy suppliers to promote energy efficiency initiatives benefiting low-income and vulnerable households (through insulation or heating system upgrades).
- Targets are allocated among suppliers based on their market share in domestic gas and electricity.
- Local Authorities can determine eligible homes under the 'flexible eligibility' mechanism.
- Up to June 2023, 238 local authorities had seen 50 or more measures installed through Flexible Eligibility, 94 of which had over 500 measures installed.
- Scotland and the East Midlands had the joint highest number of flex measures installed of any region, with around 18 per cent each of the flex measures in Great Britain.

ECO & ECO Flex



Achievements to date

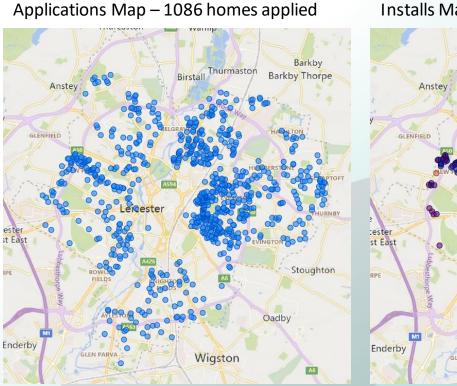
Project	Outcome	Value
Green Homes Grant LAD 1A (2020 to 2021)	50 homes upgraded (35 to EPC C or above)	£499,187
Green Homes Grant LAD 1B (2021 to 2022)	162 homes upgraded (109 to EPC C or above)	£1,993,809
Green Homes Grant LAD 2 (2021 to 2022)	129 homes upgraded (51 to EPC C or above)	£772,454
Green Homes Grant LAD 3 (2021 to 2023)	340 homes upgraded (253 to EPC C or above)	£3,964,706
Home Upgrade Grant 1 (2022 to 2023)	38 homes upgraded (6 to EPC C or above)	£317,460
ECO3 Flex (2018 to 2022)	12,917 homes confirmed as eligible for home upgrades	£34.4m approx.

LAD3 EWI Successes – New Parks Area

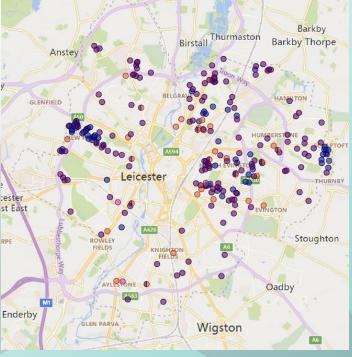


"Largest EWI programme in the midlands area"

LAD3 Overall Sucess



Installs Map – 340 homes upgraded





Home Upgrade Grants 2 (HUG2)

Purpose

- Aim is to raise the energy efficiency of **hard to treat (Off-Gas)** low income and low energy performance homes with a focus on energy performance certificate (EPC) ratings of D, E, F or G.
- Provide a package of improvements such as insulation, low carbon heating and solar PV panels.
- Aims to upgrade 159 off-gas Leicester homes over 2 years

Marketing plan:.

- Promote to landlords via PRS teams email distribution list, national PRS Exemptions Register and landlord forums
- Promote the use of DESNZ's online GOV.UK eligibility checker tool
- Receive referrals from Warm Home Surveys scheme





Warm Home Surveys

Purpose:

- Free in person guidance via home EPC/retrofit survey
 - An EPC tells you how energy efficient your property is and gives it a rating from A (very efficient) to G (inefficient).
 - An EPC also includes information on what the energy efficiency rating could be if you made the improvements that are recommended
 - A physical survey of the property needs to be carried out by an accredited Domestic Energy Assessor in order to obtain the information. We have 2 fully qualified DEA's on the team.
 - The retrofit assessment will breakdown suitable improvements for the property taking the occupants and any special property characteristics into account.
- Referral/signposting onto grant schemes where identified
- Digital or printed survey report for householders' future reference and guidance

Marketing plan:

- Promote to hard to reach consumers via multiple channels and referral network of community & health support/charitable workers and Local community radio advert to reach non-native English speakers
- Fuel Poverty Awareness Day event in partnership with Leicester Energy Action
- Promote via "Your Leicester" email newsletter & digital screens in all LCC buildings open to the public









LCC/EON's ECO4 community scheme

Purpose of project:

- Area based approach to target a collection of low-income streets to offer interventions under the national ECO4 scheme
- Dual branding with well know supplier who will fund and install the improvements, with the backing of LCC to encourage uptake of grants
- Community events to allow residents to ask questions and gain knowledge and confidence about interventions leading to peace of mind
- Partnership provides assurances that installs will be completed in accordance with local planning policies
- Identified areas will be expanded, with new areas chosen as scheme takes off, with the intention
 of eventually reaching the entire city.



Projects in progress

Project	Status	Budget
Home Upgrade Grant 2 (2023 to 2025)	52 homes applied to date	£3,291,300
Climate Ready Leicester Warm Home Surveys (2023 to 2025)	10 homes applied to date	£194,228
ECO4 Flex (2022 to 2026)	647 homes confirmed as eligible for home upgrades to date	£4 billion nationally
LCC/EON's ECO4 community scheme (2023 to 2024)	Mobilisation phase	N/A



Links and Joined up working

- Private Rented Sector Team, Housing Engagement with Private landlords, attending landlord forums, MEES and training we have received via MNZH funding
- **Fuel Poverty Advisory Board**, Public Health Leicester Energy Action project (cross referrals to each other's services)
- Leicester City Clinical Commissioning Group, NHS Access to Better Care Funds to keep vulnerable homeowners warm in their own homes
- **Damp and Mould Action Group**, Neighbourhood & Environmental Services Input and knowledge sharing around affordable warmth retrofit and links to damp/mould
- Planning Department working together to combat unauthorised retrofit, especially with
 external wall insulation
- Low Income Family Tracker (LIFT Policy in Practice), Revenues and Customer Support use of data to targe homes in need of retrofit interventions









In practical terms, Leicester aligning with the most ambitious net zero scenario would involve

