

Sustainability Update

What we're doing to become a carbon-neutral estate

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Our vision for a sustainable future

Lancaster West will be a model carbon-neutral housing estate by 2030

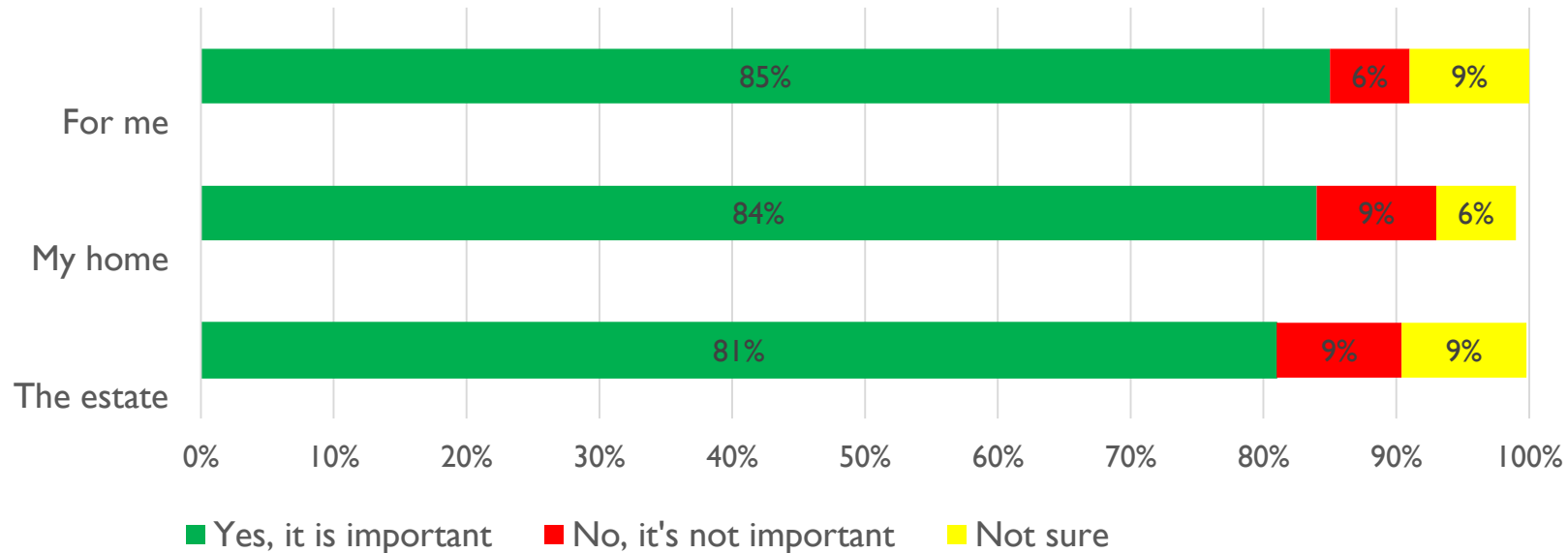
Carbon-neutral means an overall balance between carbon emissions produced by the estate and carbon that we remove from the atmosphere.

In practice, it means that we need energy efficient homes, a renewable and reliable energy supply, lots of green space and sustainable behaviours like recycling and composting.



Over 80% of residents think carbon-neutrality is an important priority

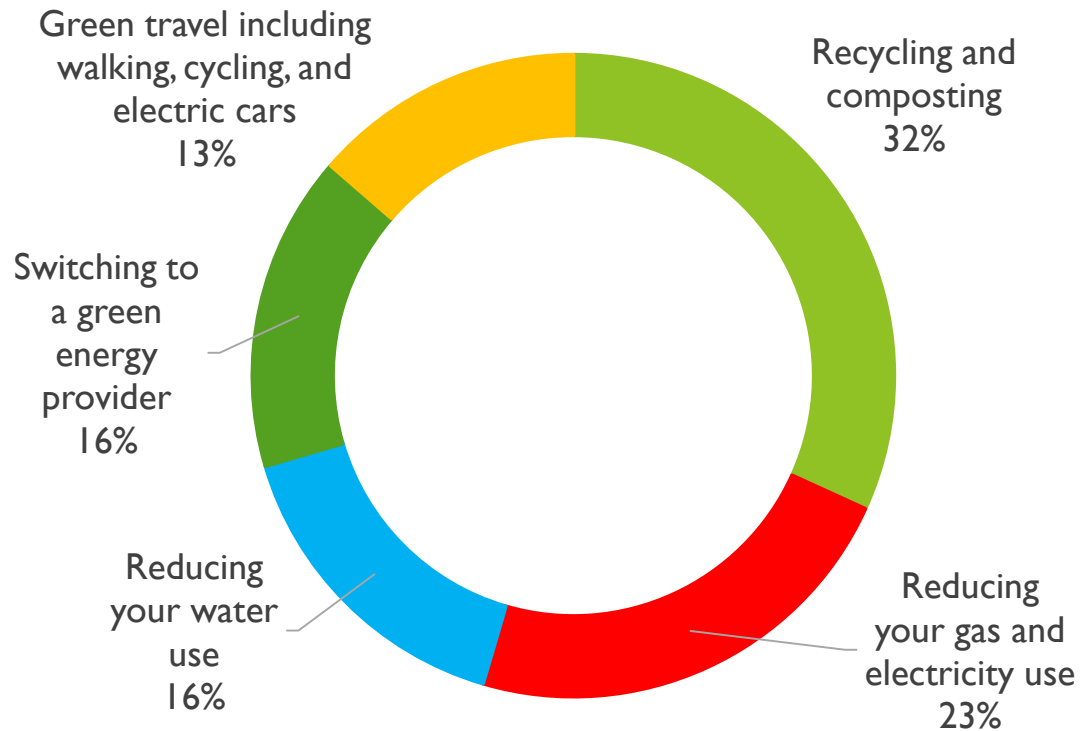
Do you think being carbon-neutral is an important priority for you, your home, and the estate?



Results from Lancaster West
Sustainability Survey, Jan 2021

Residents have shared clear priorities

What activities and actions can the Lancaster West Neighbourhood Team help you to do more of?



“A zero waste food shop on or near the estate would be incredible”

“I’d like our air quality to be improved. So, planting trees and surrounding us by plants and greenery to counteract car pollution from busy local roads”

“If there was designated parking places for residents of the estate with electric charging facilities, I would definitely consider getting an EV”

Results from Lancaster West Sustainability Survey, Jan 2021

Our 5 priority areas

- 1. Making homes warm, comfortable and energy efficient.**
- 2. Creating a garden estate with a thriving environment**
- 3. Switching the energy we use to a clean and green supply**
- 4. Reducing waste and increasing recycling**
- 5. Helping residents to make sustainable choices whilst reducing the carbon footprint of the Lancaster West Neighbourhood Team**

Social Housing Decarbonisation Fund

Walkways2 | Zero

- Barandon Walk, Hurstway Walk, Testerton Walk
- 367 homes
- £12,905,626

Camelford Net-Zero

- Camelford Walk, Camelford Court
- 85 homes
- £3,404,960

Morland House and Talbot Grove House

- 79 homes
- £3,134,642



Social Housing Decarbonisation Fund objectives

- Improve the **energy performance** of social housing by applying a **whole house retrofit** approach compliant with PAS2035
- **Reduce carbon emissions** and help meet the UK's 2050 net-zero goal
- Improve resident **health, comfort, wellbeing**
- Reduce household energy bills and **tackle fuel poverty**
- Catalyse **innovation** in retrofitting and provide **lessons** for £3.8billion fund to be delivered over next 10 years (£1.6m available 21/22)
- Support **green jobs** to support a **green recovery** from the pandemic

MustBeZero

£1.6 million funding from the EU to fund a **net-zero refurbishment of Treadgold House**

This will involve:

- Triple glazed windows
- Solar panels on roof to generate renewable energy
- Mechanical ventilation and heat recovery
- A1/A2 rated insulation on roof and walls
- Removing gas and piloting a zero-carbon heat network
- Use of off-site construction to minimise disruption and embodied carbon

A 21st
century
Treadgold
House?



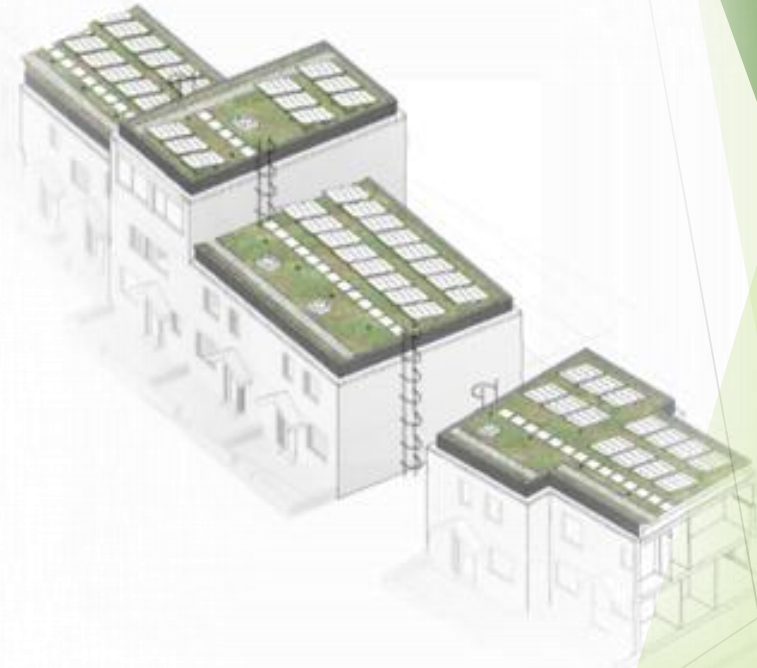
Green Homes Grant Local Authority Delivery Scheme

- Objective to improve worst performing homes, at highest risk of fuel poverty
- Secured 2 lots of funding, to be delivered this year
- Delivering roof improvement works, with insulation, solar panels and green roofs

Phase IA £103,000 secured for Camelford Court

Phase IB £621,000 secured for Clarendon Walk and Talbot Walk

Phase 2 Not a competitive process but have asked for an allocation



Public Sector Decarbonisation Scheme

£209,000 funding secured to deliver energy efficiency improvements to non-domestic buildings on the estate:

- Baseline Business Studios
- North Kensington Resource Centre
- Lancaster West Estate Community Centre

Plans include installing:

- Air source heat pumps to provide heating
- Roof insulation
- Double or triple glazed windows
- Energy saving LED lighting

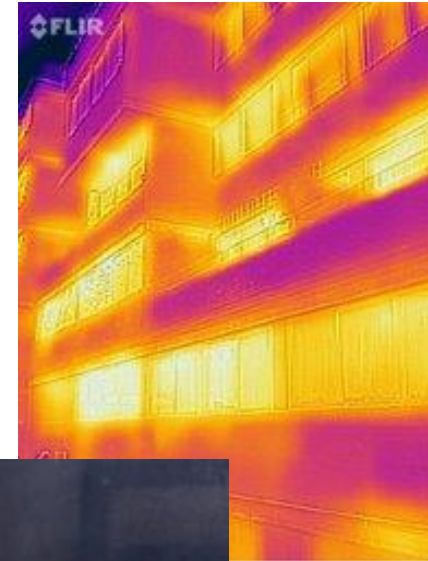


Gathering performance data

Working with **Build Test Solutions** to deliver innovative and non-disruptive testing

- SmartHTC testing in voids for whole building heat loss
- Pulse airtightness testing – buying equipment and training up operatives to deliver inhouse
- U-Value measurements
- Thermographic imaging

Surveys being fed into **BIM Revit** software to support refurb design and engagement, fire strategy, and future maintenance



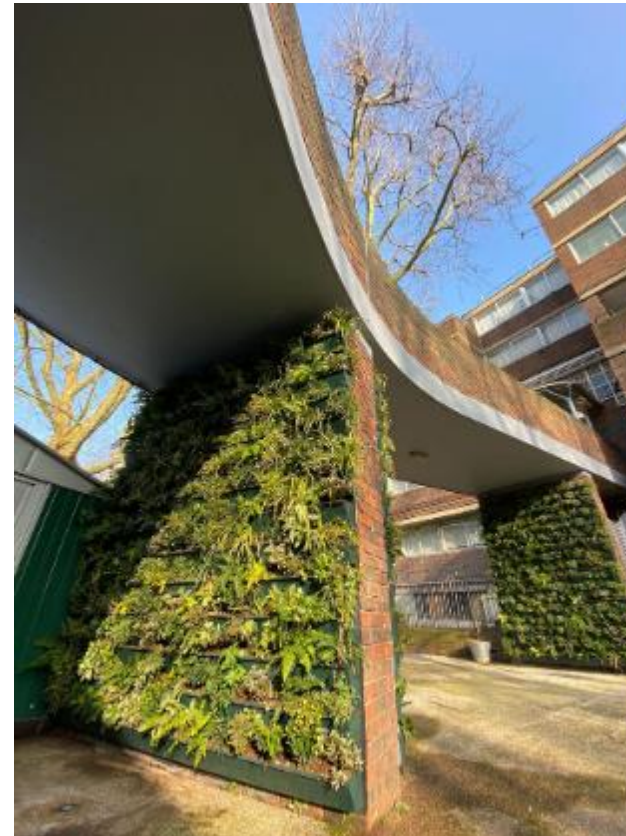
Training and development opportunities

- Created **Lancaster West Sustainability Series** to support LWNT, RBKC staff, and residents to learn about different sustainability topics
- 6 members of staff completing **Retrofit Coordinator training**
- Working with **AECB and Retrofit Academy** to look at training options for LWNT, operatives, and contractors
- Plan to develop an **online multilingual training hub**
- Developing additional training and learning opportunities for residents



Creating a garden estate

- Working with **Social Landscapes** to codesign new and improved garden spaces for **Treadgold House**
- Working with **the RA and Hubbub** to develop a **community fridge**, to grow and share local produce
- Working with the RBKC Biodiversity Team to create **wildflower meadows** and become part of the **Pollinator Network**
- Installing new **green roofs and walls** where feasible



Some upcoming priorities

1. Applying to the **GLA's Future Neighbourhoods Fund** to create and deliver a sustainable neighbourhood vision
2. Developing a **Waste Management Strategy** for the estate, embedding **circular economy** principles
3. Launching a **food waste pilot** in the Walkways – making Lanc West the first estate in the borough with food waste recycling
4. Developing an online **multilingual green skills training hub**
5. Exploring opportunities to encourage **active travel** and install **electric vehicle charging points**