

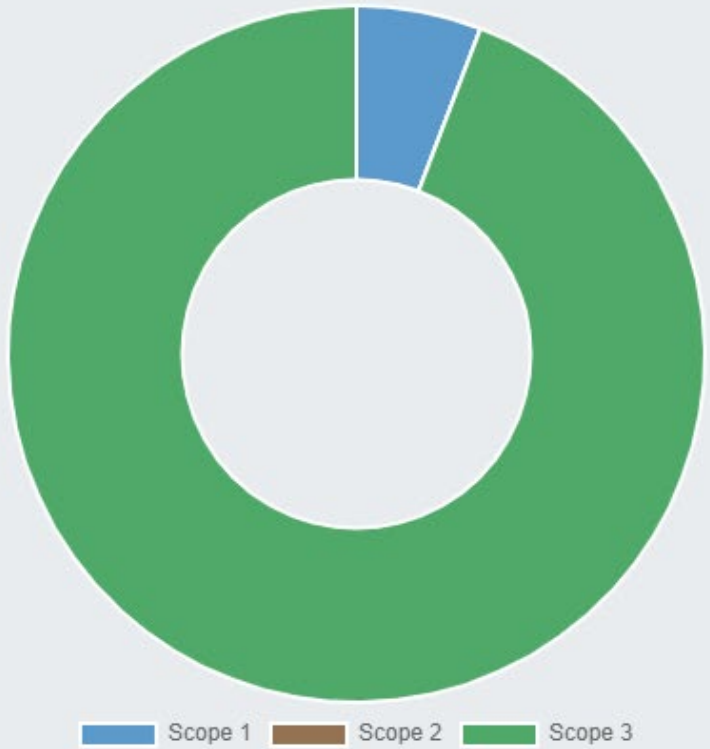
Decarbonising rural homes – moving on from pilot

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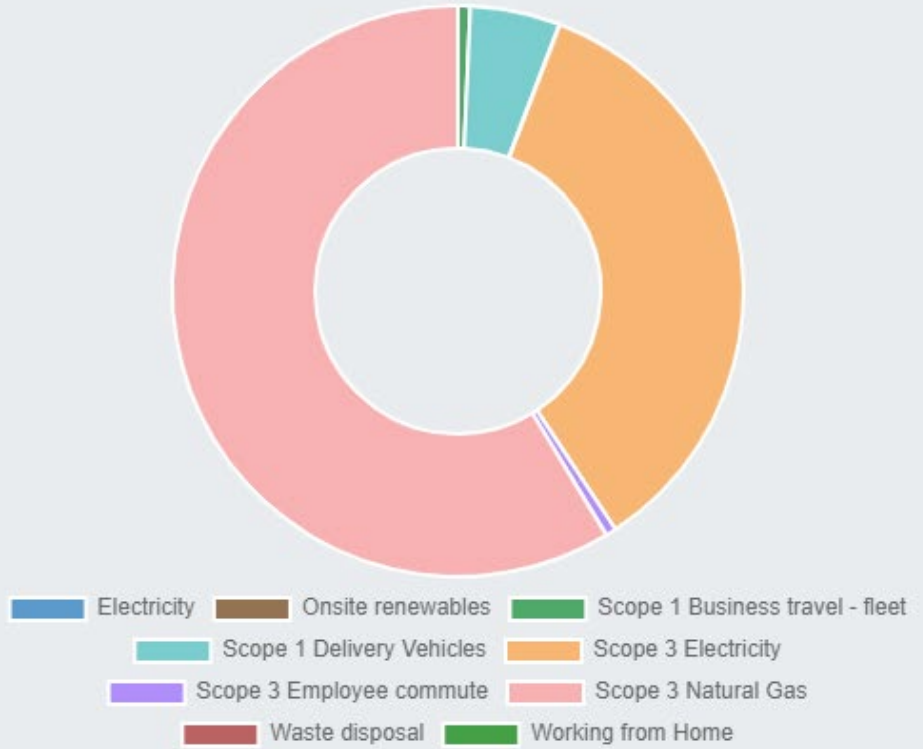


Where do our carbon emissions come from?

Scope Percentages



Emissions Categories Percentage



Broadacres' Sustainability Strategy



1. We will embed a culture of sustainability at Broadacres so that it is at the heart of everything that we do



2. We will make continuous improvements to the way we operate as an organisation to reduce our environmental impact



3. We will make great strides to retrofit our existing homes and will build our new homes to standards that achieve net zero carbon emissions



4. We will engage with our customers so that they understand the benefits of retrofitting their homes and have the information required to benefit from it



5. We will mitigate and adapt to current and future impacts of climate change



6. We will ensure that we have the knowledge and skills to deliver this strategy



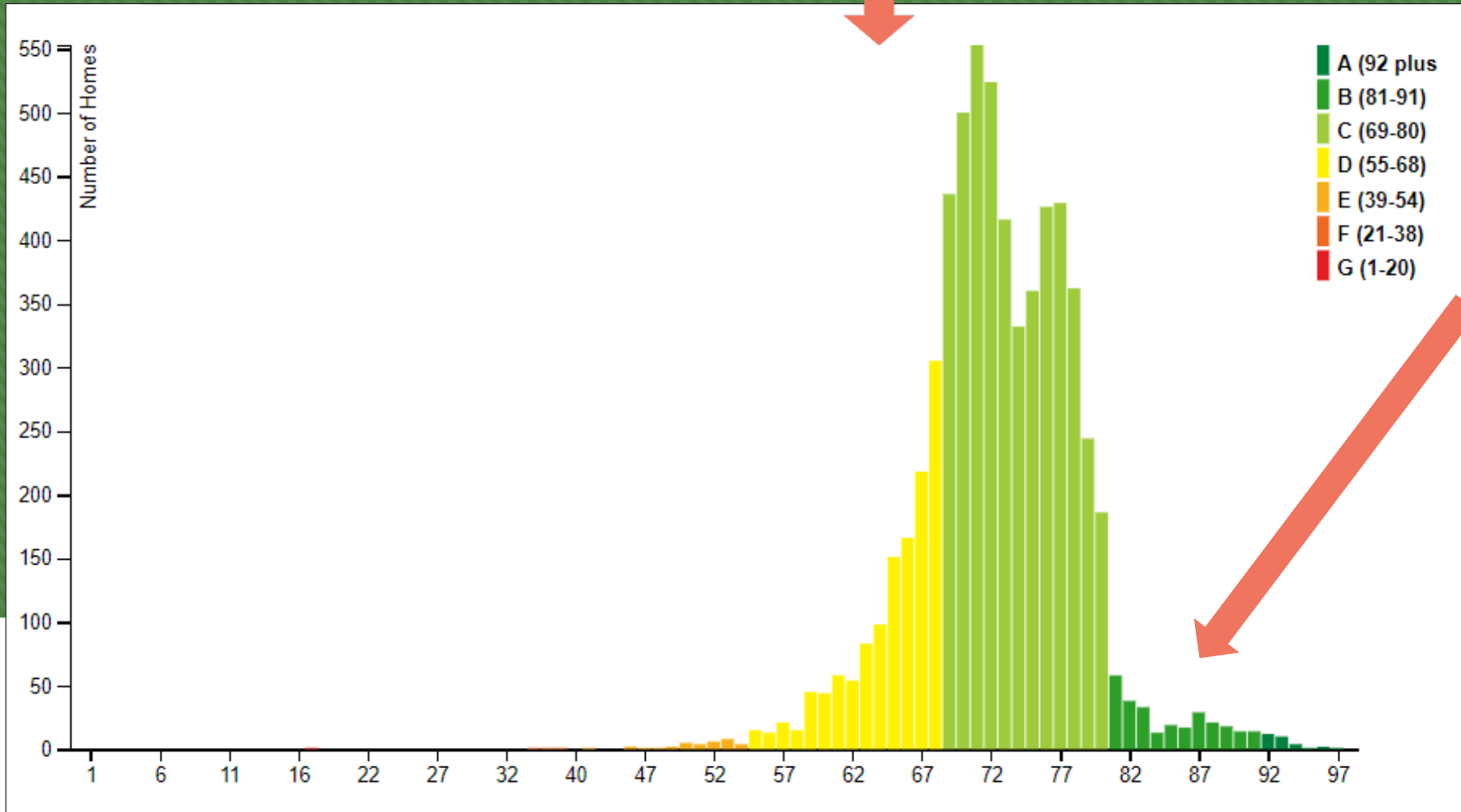
7. We will manage our green spaces sensitively for the benefit of both wildlife and our customers



8. We will work in partnership to influence and support the sustainability agenda locally, regionally and nationally

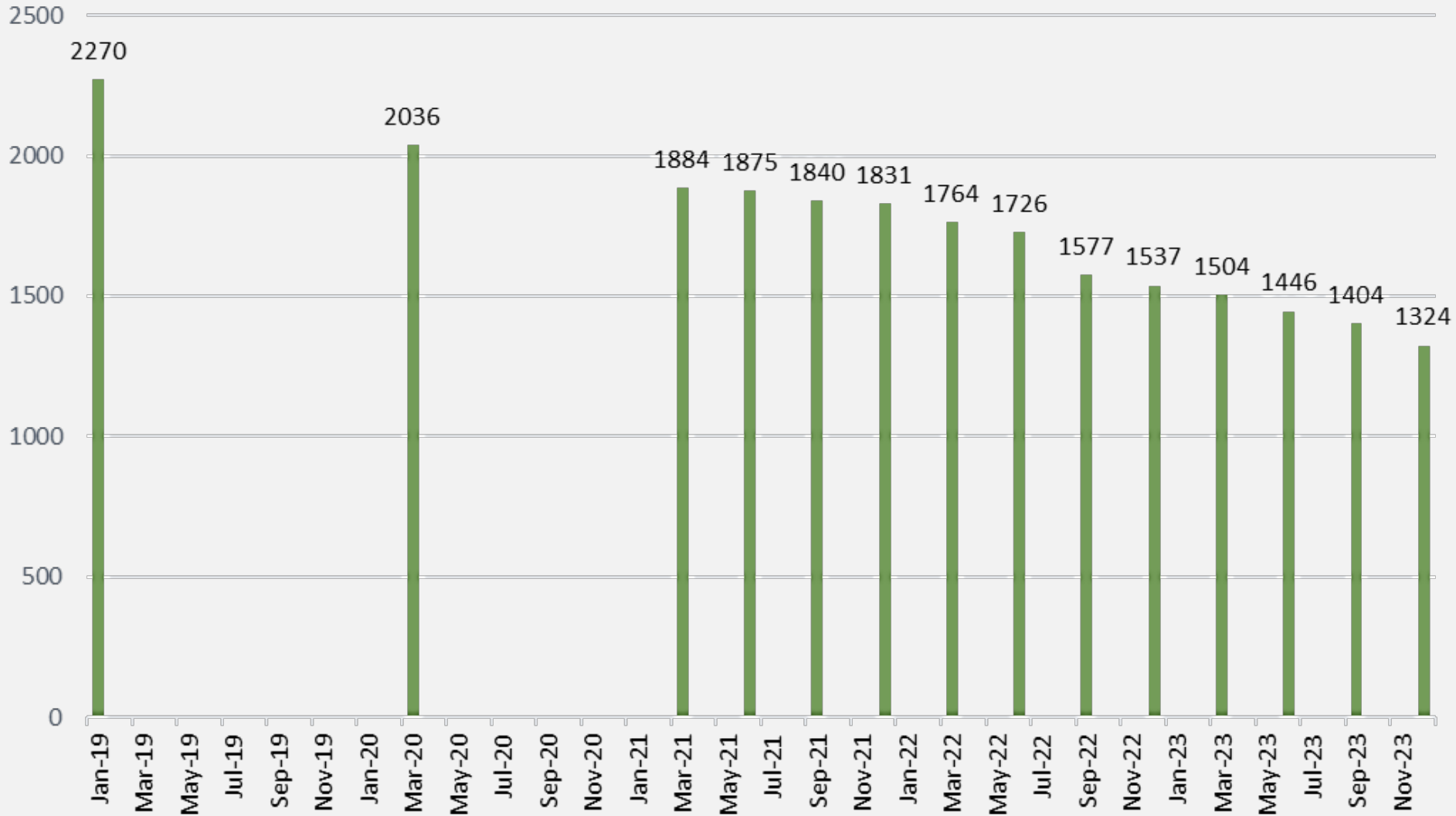
Retrofit

Minimum SAP 69
by 2028



Net zero carbon
emissions
(average SAP 85)
by 2050.
Currently
average SAP is
72.4.

NUMBER OF HOMES WITH A SAP SCORE OF LESS THAN 69



Retrofit Pilot



Retrofit Measures

Solar Photovoltaic Panels
Air Source Heat Pump
Mechanical Ventilation Heat Recovery System
External Wall Insulation (EWI)

Internal Wall Insulation (IWI)
Air tightness
Floor Insulation
Windows and Doors
Smart Monitoring Equipment



Outcomes

Post-works SAP scores

All were A-rated, with SAP scores ranging from 93 to 97.

Post-works air tightness

Ranged from 1.96 m³/h/m² to 1.77 m³/h/m²

Ten key lessons learnt from the project which we are currently implementing.

Post occupancy customer engagement review – qualitative and quantitative.

Outcomes

Embedding the learning into Business-as-Usual activities

Reviewing and enhancing the specifications for all repairs and maintenance work



RETROFIT
ACADEMY CIC
MEMBERSHIP

Carbon Literacy
Project



- Installing a new insulated airtight loft hatch
- Sealing all gaps between floorboards (where the tongue and groove was missing from the boards having been lifted previously) with airtightness tape
- Sealing all skirting boards to wall and floor
- Sealing all pipe and cable penetrations
- Sealing underside of window boards to the wall
- Sealing up redundant vent
- Sealing pipe penetrations in boiler cupboard
- Sealing pipe penetrations behind kitchen cabinets

Pre-works air test:
12.92 m³/h/m²

Post-works air test:
4.02 m³/h/m²

Engaging with our customers

In nearly all cases, retrofit work must be carried out whilst customers are living in their homes.

Meaningful customer engagement is critical to the success of all retrofit work.



Embed a culture of Sustainability



TO BECOME A TRULY SUSTAINABLE ORGANISATION WE WILL EMBED A CULTURE WHICH ENCOURAGES AND SUPPORTS COLLEAGUES TO PUT SUSTAINABILITY AT THE FOREFRONT OF WHAT WE DO



EMBEDDING THIS CULTURE IS CRITICAL TO ENSURE DELIVERY OF THE SUSTAINABILITY STRATEGY



INVESTING IN 'GREEN SKILLS' IS CRITICAL TO THE SUCCESS OF DELIVERING RETROFIT WORK

Thank you

