



Social Housing Decarbonisation Fund – Wave 1

The 2019 Conservative Manifesto committed to a **£3.8bn Social Housing Decarbonisation Fund (SHDF) over a 10-year period** to improve the energy performance of social rented homes, on the pathway to Net Zero 2050. The SHDF aims to deliver warm, energy-efficient homes, reduce carbon emissions and fuel bills, tackle fuel poverty, and support green jobs.

The goal is to **improve the energy performance of homes to Energy Performance Certificate (EPC) Band C**, wherever possible, to take homes out of fuel poverty and deliver progress towards the UK's commitment to Net Zero by 2050.

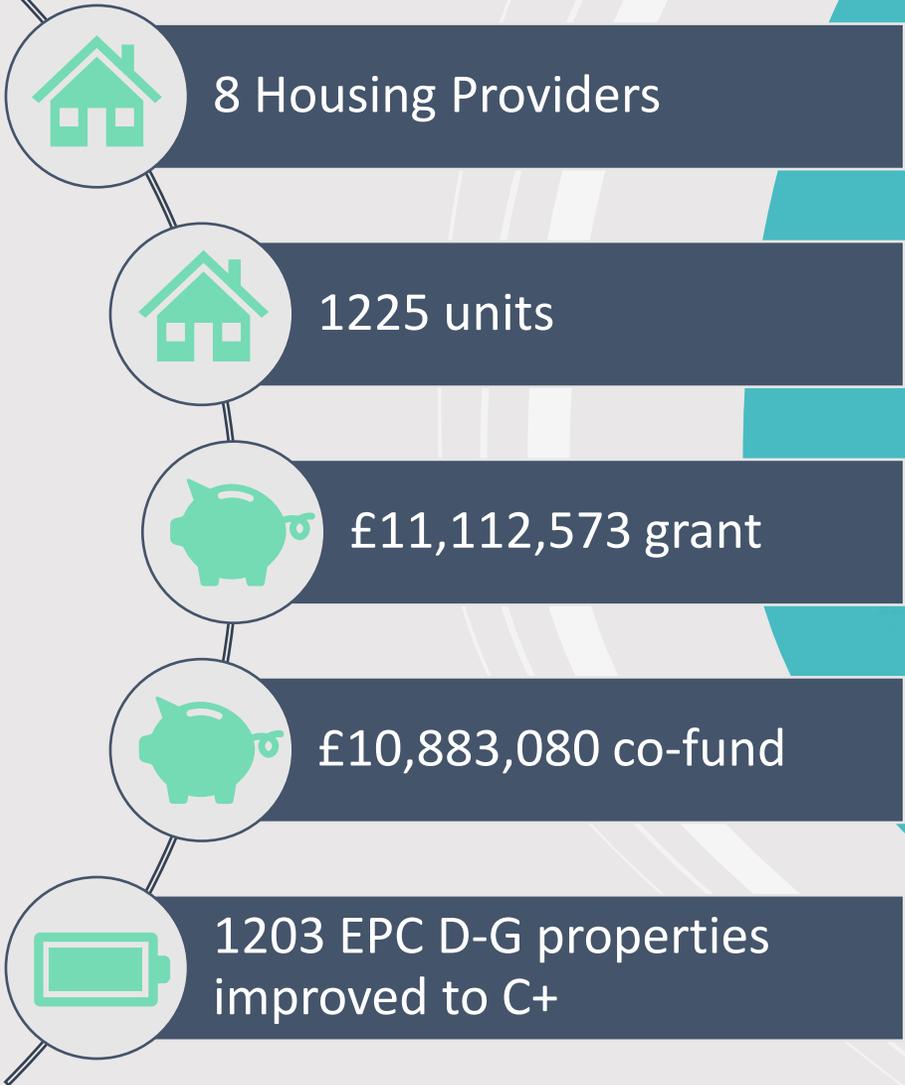


Delivery split by LA

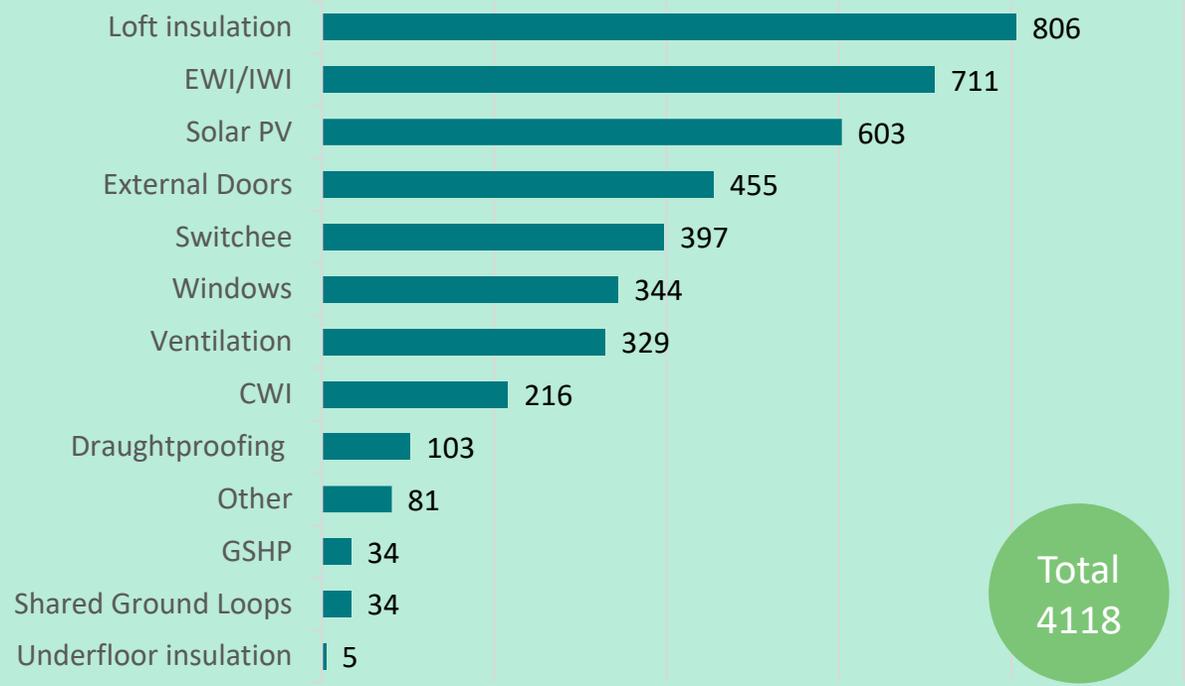
-  8 Housing Providers
-  1225 units
-  £11,112,573 grant
-  £10,883,080 co-fund
-  1203 EPC D-G properties improved to C+



Delivery split by Registered Provider



Measure Mix



"Tenant surveys have identified the majority being at home during the day, so they can utilise solar generated electricity in real-time"

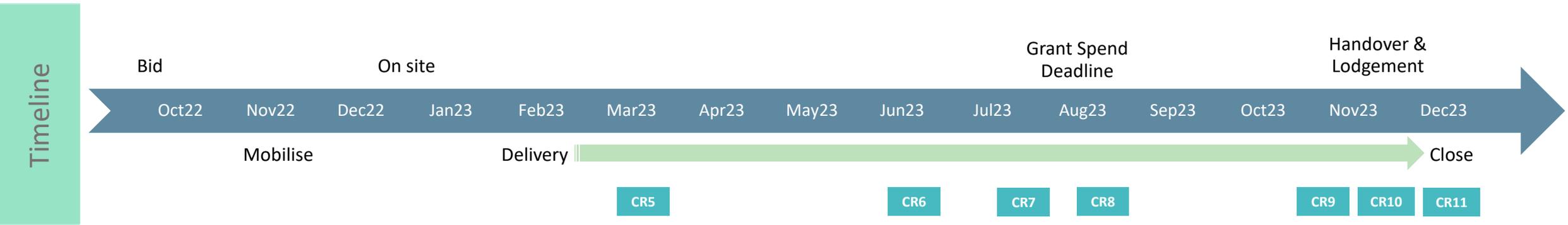


"The contractors couldn't have been better, they cleaned up each day and were always polite and courteous"

"The property was permanently damp with significant mould growth in every room...cold for most of the year and heating bills very high. Since the installation of EWI mould has been eliminated...and not had the heating on since"

RP – Registered Provider
 LA – Local Authority
 T&T – Turner & Townsend
 NEA – National Energy Action

- All grant spent - £0 handed back to central government
- 20 RP learners enrolled on Retrofit Bootcamp
- Energy Efficiency at Home training provided by T&T
- Free Cost Benchmarking Tool developed with T&T for RPs and LAs
- 14 LCRCAs colleagues enrolled on NEA Training
- 45 LCRCAs colleagues certified carbon literate
- Sponsorship of Low Carbon Homes event 2022
- Free marketing for RPs - 170 banners and 'A' boards



Before



After



CWI, PV, windows and doors



EWI/IWI, Loft Insulation, Windows, Doors,
Ventilation



EWI, CWI, Loft Insulation



Examples of retrofit measures

LAD2 – Funding to Combined Authority & delivered directly (with input from LAs)

Retrofit measure: **External Wall Insulation**

<https://youtu.be/F-tzLV99ZFs?si=CDqe1GvfGago50L8>

HUG (Off-gas properties) – Funding to Combined Authority & delivered directly

Retrofit measure: **Air Source Heat Pump**

[Couple who've had a new Air Source Heat Pump installed in Ince Blundell home, tell us what it's like \(youtube.com\)](#)





Lessons Learned

- ✘ Funding for pre-delivery assessments to improve data quality
- ✘ Ground Source Heat Pumps – ambitious, challenging, wouldn't do again
- ✘ Underfloor insulation – disruptive to tenants, lots refused
- ❖ The pros and cons of internal vs external wall insulation (issues of Planning, weather, disruption etc)
- ✓ Consortium approach enabled us to use underspend to deliver more properties. We have built strong positive relationships across the LCR and all W1 RPs have joined us for W2.1
- ✓ Knowledge share – examples of what good looks like for milestone evidence, sharing challenges and solutions
- ✓ Sharing success of W1 with W2.1 tenants to show the benefits and secure buy in
- ✓ Pilots...voids...'show properties'

What next...

- Better understanding of benefits in Spring 2024 once Winter data has been analysed, however initial tenant feedback indicates massive improvement to thermal comfort with EWI and IWI, GSHP providing very low cost heating and hot water
- SHDF W2.1 underway – 14 providers, £31.7m, c.4330 homes
- LCRCA is keen to undertake Wave 3 - TBC