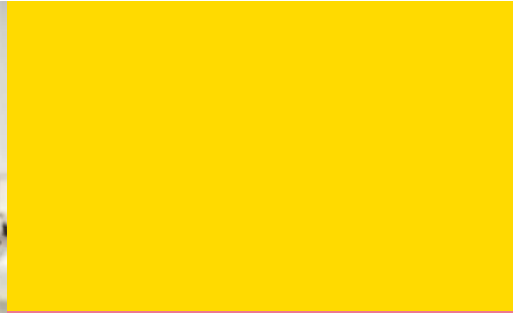


A regional approach to retrofit

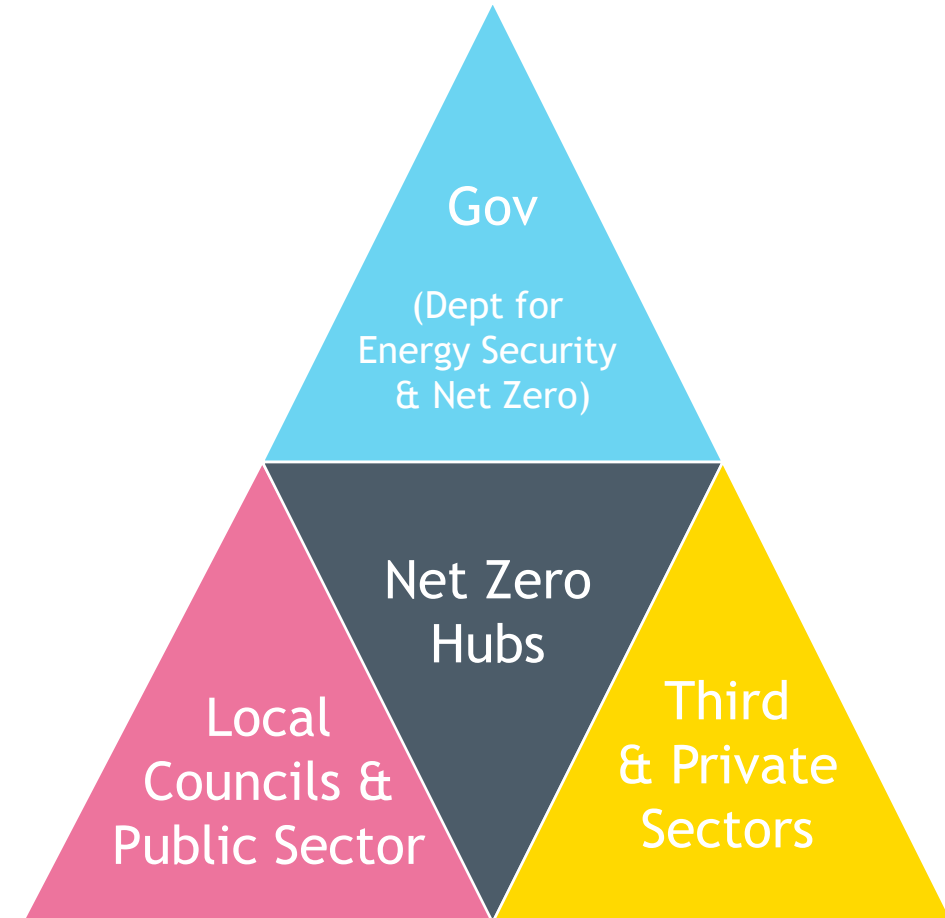
South West Net Zero Hub

Phillip Morris - Strategic Stakeholder Engagement Manager



South West Net Zero Hub

The South West Net Zero Hub provides impartial advice, technical support and funding to public and not-for-profit organisations, to develop projects that accelerate emission reductions and enable the transition to a more sustainable future



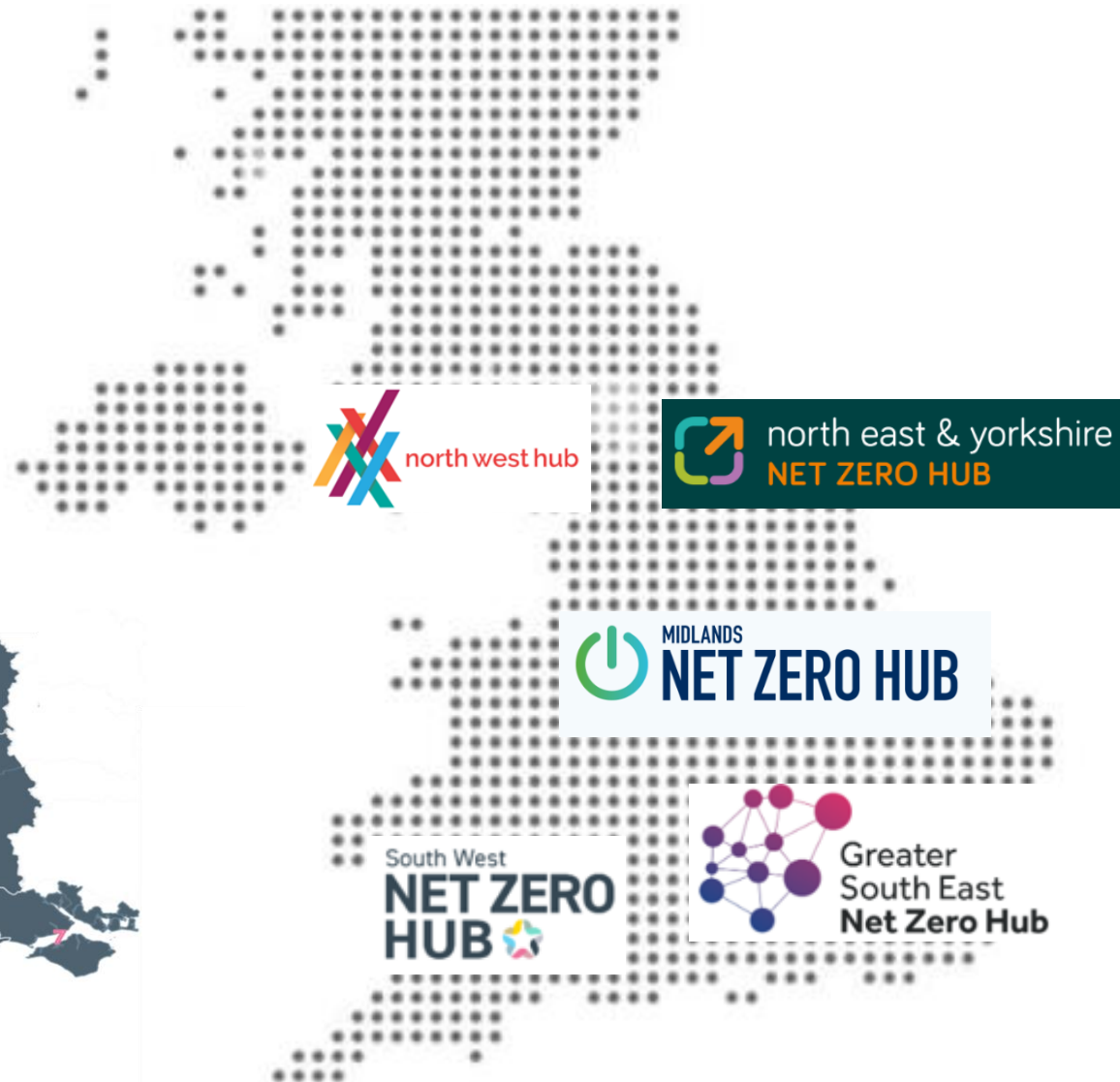
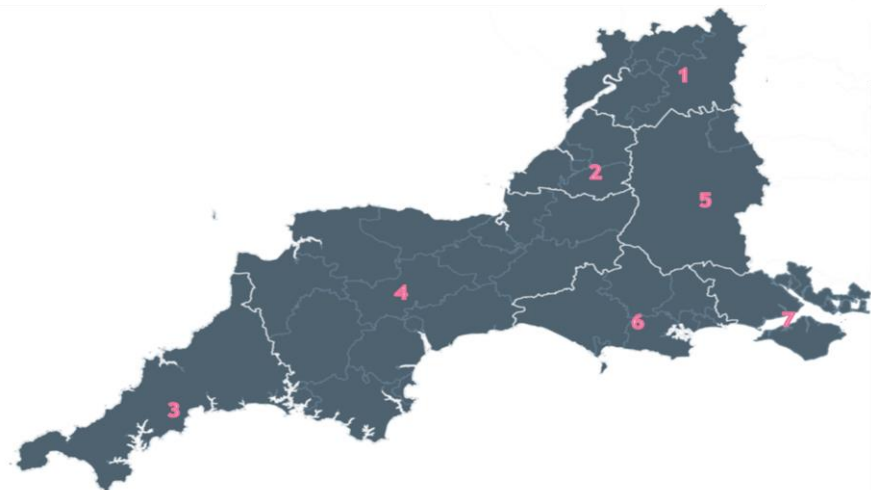
South West Net Zero Hub



Government Net Zero Strategy established 5 regional hubs with core objectives:

- 1. Attract commercial investment** and help LAs and other local public sector bodies to develop investment models which accelerate progress to net zero
- 2. Continue to increase the number, quality, and scale of local net zero projects** being delivered across the region in line with national targets and strategies, including supporting the early-stage development and delivery of projects.
- 3. Collaborate** with the Department of Energy Security & Net Zero to develop & support net zero elements to wider programmes & initiatives including Levelling Up
- 4. Support a national knowledge transfer programme** to improve information sharing, training & evaluation
- 5. Raise local awareness** of opportunities & benefits of local net zero investment

Our family of Net Zero Hubs



How we support retrofit in the region

- Retrofit programme delivery
- Market development & finance
- Supply chain and skills development
- Understanding the energy performance of domestic properties in the region
- Managing grant programmes
- Informal knowledge sharing and critical friend support
- Cross sector support e.g. owner occupier, private rented, social housing

Supporting the progression of domestic low carbon retrofit in the region

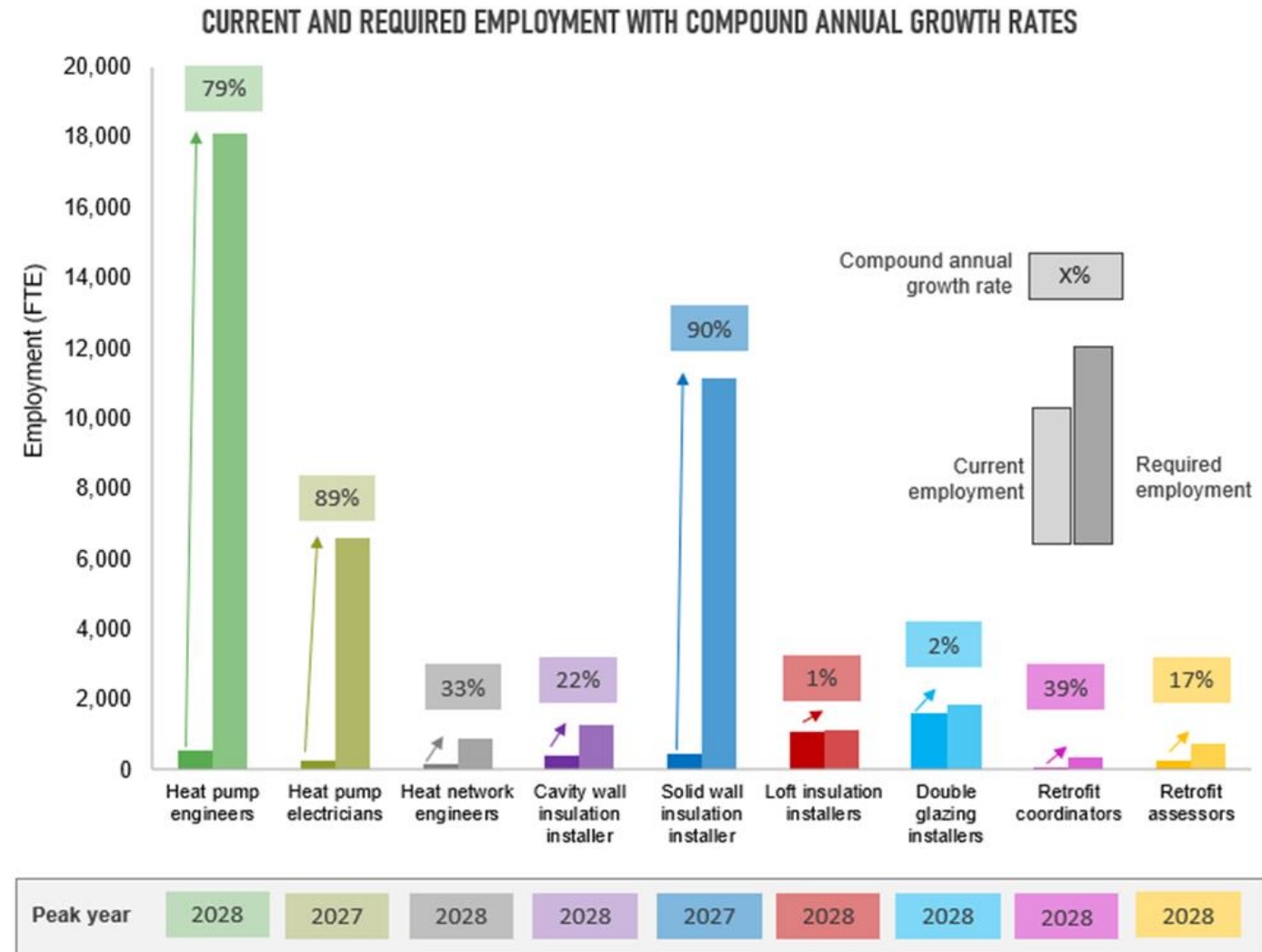
Skills and Supply Chain Development

To reach net zero by 2030 the South West must train:

- Over 10,000 extra solid wall insulation installers by 2028
- Over 17,500 extra heat pump engineers by 2027

To reach net zero by 2050 the South West must train:

- Over 3,300 extra solid wall insulation installers by 2036
- Over 8,700 extra heat pump engineers by 2040



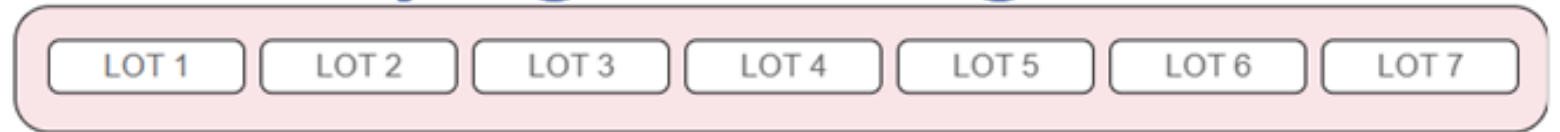
Latest Skills Work

- DESNZ has tasked the Local Net Zero Hubs to create a Net Zero Buildings Retrofit Skills plan
- The work will undertake an assessment of the current state of the retrofit supply chain and identify the necessary steps to develop local supply chain capacity to be able to achieve net zero targets
- The work will build upon our previous retrofit skills study
- SWNZH has appointed consultants to support the development of the plan
- The work will be carried out over the next few months and conclude in March 2024

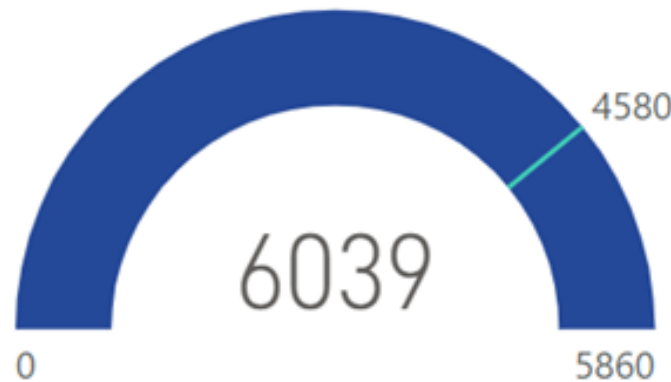
Regional Delivery: LAD 2



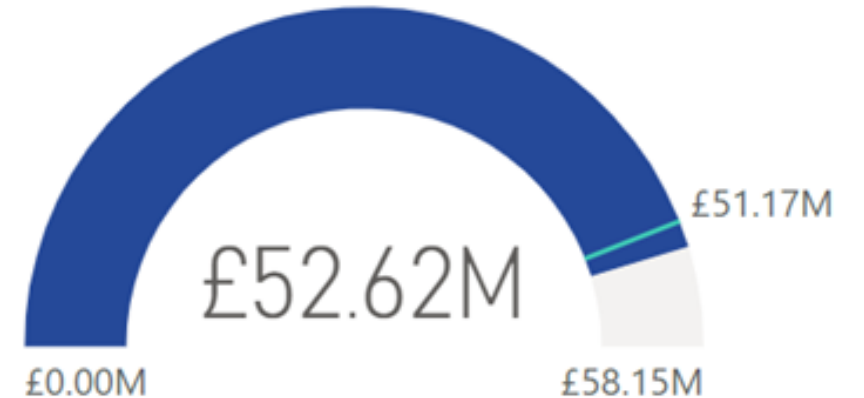
Delivery Against Targets



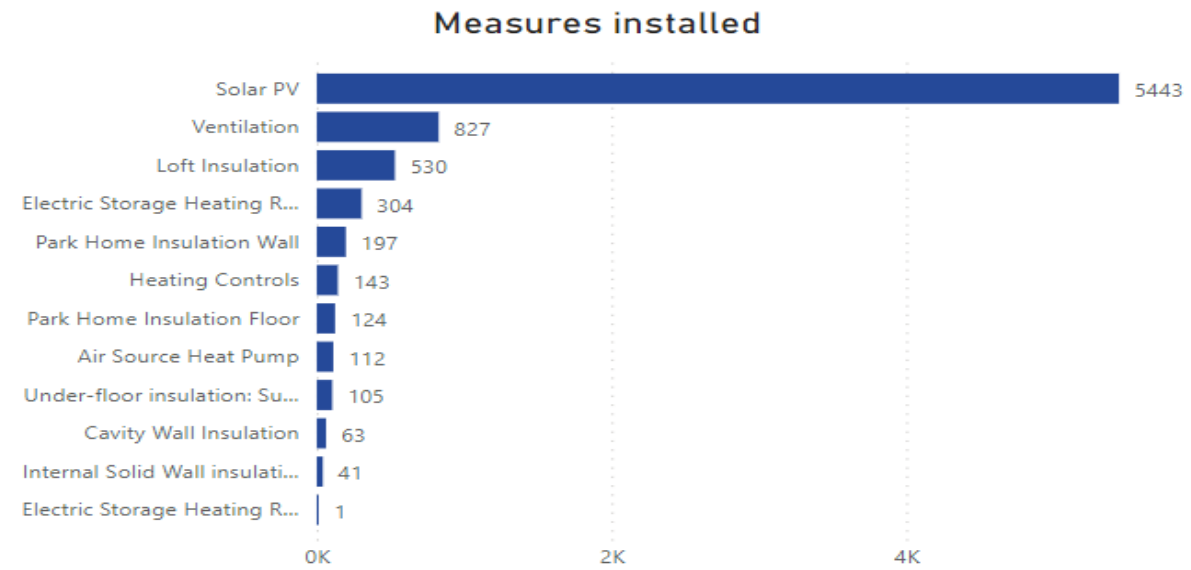
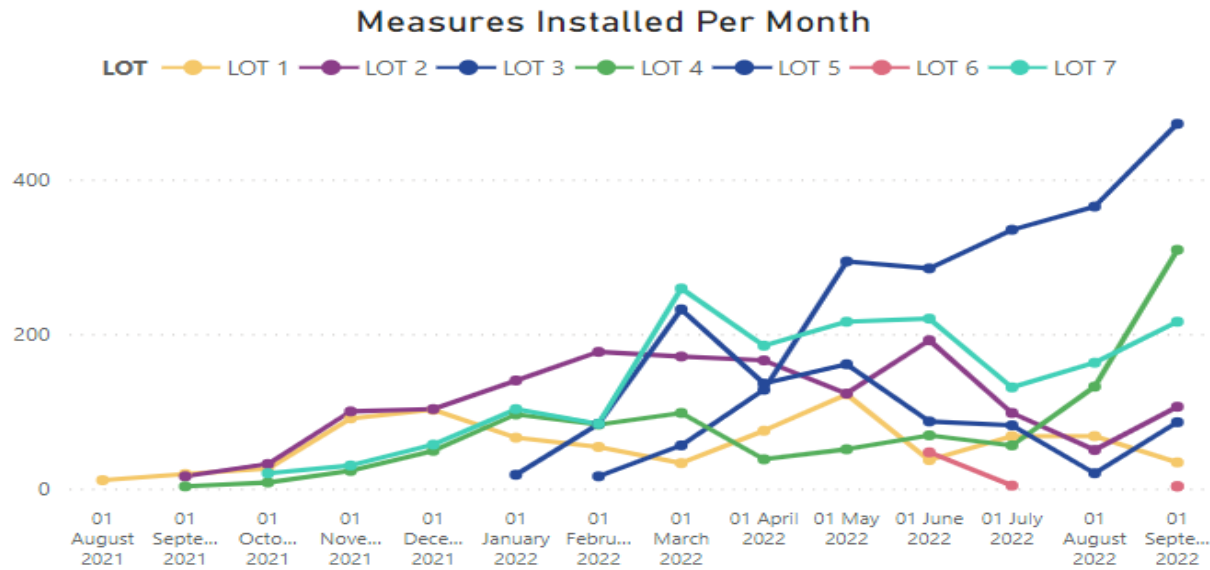
Homes Completed



Budget Spent



Local Authority Delivery : LAD 2



SHDF WAVE 1 & 2.1

SHDF WAVE 1

8 consortium members

1 consortium

200 homes* (delivered so far)

Approx. 3 million funding

12 month project

The project is still delivering at present



SHDF wave 2

19 consortium members

2 consortia

Over 3000 homes

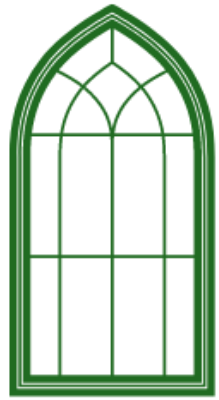
Approx. 33 million funding

24 month+ project

Delivery has started

Managing regional funding - LEAD

- Trial a range of approaches to market-led in-person advice provision at a local level
- Provide end-to-end support for consumers from an initial enquiry to the installation of retrofit measures in a home
- Provide specific support and education for either hard-to-treat properties or hard-to-reach vulnerable homeowners and residents
- Create insights that could be replicated nationally
- Performance monitoring requirements including KPIs will be included in programme guidance when released



GREEN HERITAGE HOMES

Empowering Listed Building Energy Efficiency: “Yes You Can!”

- New ‘Level 0’ pre-application advice at the earliest stage, with a council Conservation Officer and a Retrofit Coordinator, for 50 “Listed Building Champions” who provide case studies through retrofit process.
- Training: Recognise historic significance to propose sympathetic, effective measures in a well-written consent application.
- Inclusion of listed building AND embodied carbon advice into the People Powered Retrofit’s Home Energy Planner assessment tool.
- Conservation Officer and Retrofit Coordinator surgeries, events and speaking engagements, with the message “yes you can get consent” for energy efficiency.





**Browne
Jacobson**

Able-to-pay Loan Fund

- Following on from recommendations made in “Review of ATP Loan Fund Proposition” and reports investigating Retrofit Skills gaps for SWNZH
- Brief:
 - Compile Green Book Business Case for the establishment of an ATP Retrofit Loan Fund
 - Focused on the South West
 - Considers a blend of Public and Private investment into the fund, expected £100m

Able-to-pay (ATP) Loan Fund

The objectives of the Loan Fund are to:

- Accelerate the uptake of Permitted Energy Technologies in domestic properties in Local Authorities
- Enhance the supply chain within this sector by:
 - Supporting the accelerated growth of the low and zero carbon contractor / skills base operating within Local Authorities
 - Supporting growth and capacity within the financial sector able to manage and administer large scale able-to-pay funds in this sector
- Measurably demonstrate the financial and practical viability of a majority private sector, part public sector funded loan fund to deliver the required outcomes

Devon Archetypes Project

Overall aim to simplify the increase understanding of what makes a housing archetype

- 93.7% of homes in rural Devon fit one of just twelve house types
- 63% of those who responded to the survey wanted to take action on their heating systems to lower their impact on the environment
- 95% of respondents felt it would be helpful to have a trusted intermediary to provide advice and information to homeowners about the next steps in their retrofit journey
- 79% of respondents felt it is important (essential) that local tradespeople are able to deliver the home improvements
- 90% felt that communication around home energy improvements needs to be as non-technical as possible

<https://www.swnetzerohub.org.uk/knowledge/information-guides-and-toolkits/>

Cornwall Council social housing retrofit accelerator

The scheme aimed to retrofit 600 Cornwall Council-owned social homes with solar photovoltaic (PV) panels

Solar electricity will be provided to tenants at no cost, typically providing savings of £150 each year.

SWNZH supported the scheme in a range of ways including:

- writing funding bid
- establishing solar PV installer framework
- creating technical specification
- property selection
- stakeholder engagement
- evaluating supplier bids
- technical support



Lessons learnt

- Quality has improved in some areas, but there is still work to do
- Funding schemes have not become any less complicated - it requires time, experience and knowledge to successfully navigate through them
- Local authorities often need bid writing support to respond to retrofit funding opportunities as they emerge
- The retrofit 'ecosystem' is messy and varied across the country - there is good work going on, but often there is a need to bring clarity on how it all fits together
- There remain huge benefits in facilitating knowledge sharing

Recommendations

- Take a long-term strategic approach to retrofit - have a plan, even if you have to adapt to the opportunities that present themselves
- Give at least 6 months for mobilisation
- Ensure that roles and responsibilities are clear and confirmed from the outset
- Don't underestimate the amount of client-side resource it takes to deliver good project outcomes - from procurement through to project completion
- Make time for knowledge sharing - it will always be time well spent and there is lots going on
- Make sure all stakeholders are responsible for understanding their roles in the quality pipeline

Contact us and sign up to our newsletter

📍 www.swnetzerohub.org.uk

✉ Phillip.morris1@westofengland-ca.gov.uk

🌐 [South-West-Net-Zero-hub](#)