

SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

Retrofit

**Creating a high-quality
business model: a
system change proposal
to government**

17.2.23

**Rosemary Coyne
co-ordinator@shap.uk.com**



The retrofit challenge

how many homes a minute/a year to meet net zero targets?

Who, how, what?

Short and long term challenges must be tackled together

Short term crisis strategy related to energy costs rationalising, extending and expanding using WHD, Winter Fuel Payments is imperative but should not deflect action to establish long term retrofit programmes.

Longer term retrofit plans – THIS PROPOSAL – must address the systemic failures and establish understanding and action to achieve system change.

Context

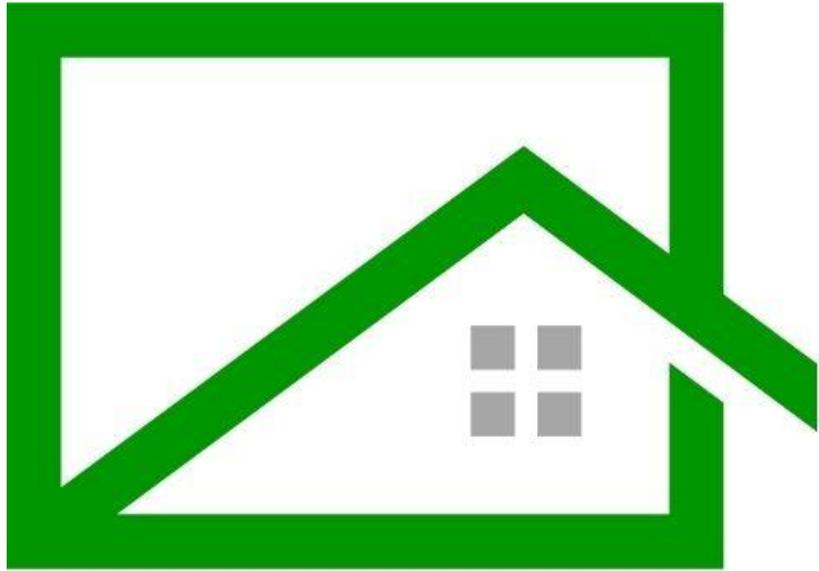
SHAP has over 15 years of experience of working with local and regional public bodies, housing providers, fuel poverty organisations and the supply chain to understand problems with retrofit and developing potential solutions.

Retrofit is a broken system, and in its current form is highly unlikely to improve housing at scale, meaning carbon reduction targets will not be met, householders will continue to face significant increases in energy bills and the health impacts of people living in cold, damp properties will not be addressed the low carbon economy will fail to grow and the energy system transformation will not be optimised.

During 2021 and 2022, SHAP worked with a range of organisations to gather experience, evidence and ideas, including social housing providers (owning over 200,000 properties), local and combined authorities, fuel poverty organisations and the retrofit supply chain. This proposal is in three parts:

- **A vision for retrofit:** The issues we believe a retrofit system should address to be able to deliver at scale and efficiently, over the next 10-20 years.
- **The ask of government:** The immediate 'ask' we feel is necessary for new retrofit programmes to address, including the forthcoming SHDF and LAD programmes.
- **Our commitment:** The 'return' from organisations – how we can operate differently to ensure retrofit is a successful system





SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

The System Change Model

Builds on evidence based modelling, costings and processes produced by SHAP since 2009

Beyond Decent Homes 2009

establishing an energy performance target, costed programmes and processes for area scale retrofit [Retrofit Reports – Sustainable Housing Action Partnership \(shap.uk.com\)](#) scroll down to find reports from different years.

Moving Beyond Decent Homes Standard 2009

Creating the low carbon standard for social housing

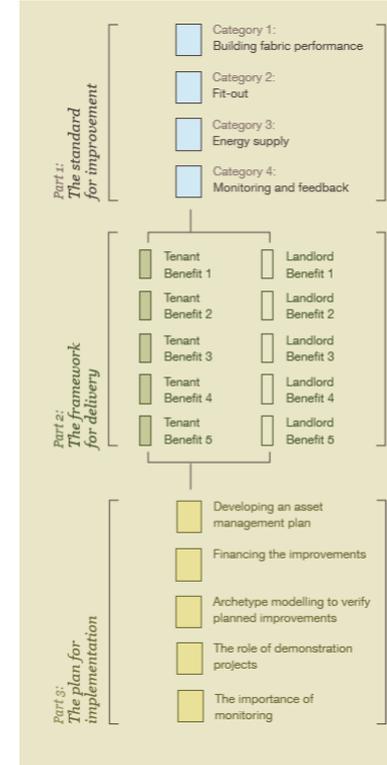


The Beyond Decent Homes Standard is designed to set social housing on a course to support delivery of the UK's Low Carbon Transition Plan in which the Government expects the domestic sector to deliver a greater share of emissions reductions, of at least 29% on 2008 levels by 2020, with proposals that all homes undergo a 'whole house package' of improvements by 2030.

Stage 1: Minimum Standard All stock to achieve a minimum 42% reduction on 1990 levels by 2016 (SAP 75, Energy Performance Certificate rating C);

Stage 2: Work in progress Asset management plans to achieve the 2025 target (Step 3) to be in place and substantial initial progress to have been made by 2020;

Stage 3: Approaching completion Over 90% of stock to have achieved a minimum 80% reduction on 1990 levels by 2025 (SAP 85, Energy Performance Certificate rating B).



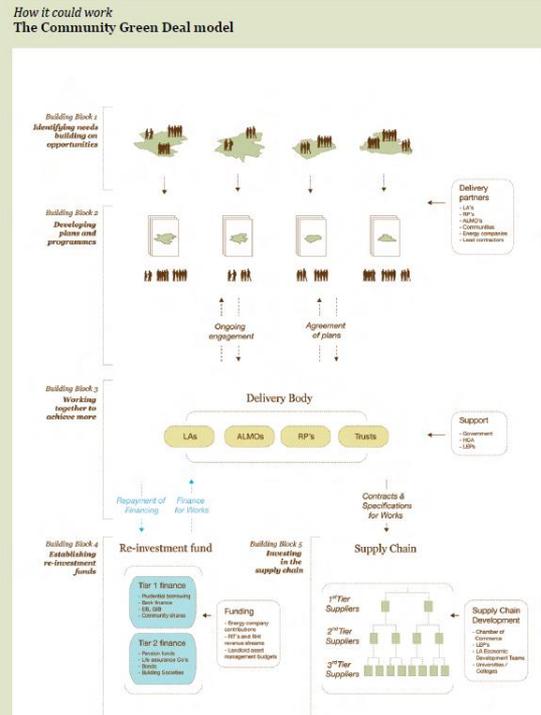
Community Green Deal 2010

explores the building blocks of successful area wide programmes in more detail to inform planning and action before the launch of the Green Deal [Retrofit Reports – Sustainable Housing Action Partnership \(shap.uk.com\)](#) scroll down to find reports from different years.

Community Green Deal

Developing a model to benefit whole communities

Executive Summary and Key Findings



The diagram over the page illustrates the five main building blocks of the Community Green Deal model:

- **Building Blocks 1-3: Local delivery processes** - These represent the processes bringing together delivery partners and communities to deliver programmes and work collaboratively.
- **Building Block 4: Establishing re-investment funds** - This represents the process of aggregating programmes in order to access a spectrum of new sources of low cost finance.
- **Building Block 5: Investing in the supply chain** - This represents the process and framework for investing in the supply chain in order to meet programme needs, drive down costs and deliver local economic benefits.

The Building Blocks are described in more detail in the main report.

Scaling Up Better Homes Yorkshire

lead author Charlie Baker, Red Coop

Commissioned by the WYCA reviewed and further developed the previous SHAP reports and thinking. Doubling activity every year allows high quality supply response while demand grows and delivers against long term targets.

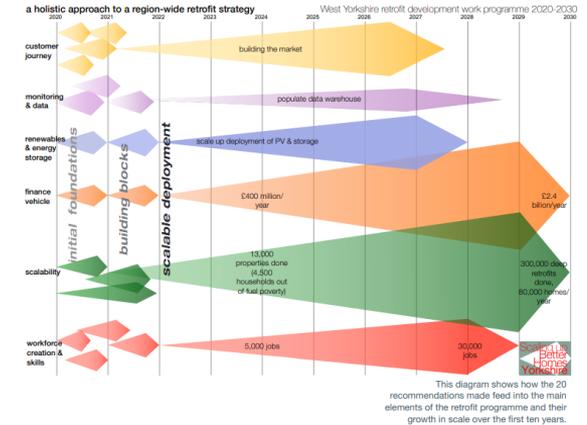
The report summarises key retrofit programme components which need to be developed in parallel and proposes sharing of the lead for each component <https://shap.uk.com/retrofit/>

October 2020

10. workforce development & skills
All of this requires a trained workforce. The opportunity for retrofit to assist in the region's recovery from COVID19 is enormous, but requires action on all fronts to develop a skilled workforce across a wide range of roles at all skills levels.

component list	social	national	regional	local offer	retrofit	the market	the labour market	the supply chain	the delivery
1 customer journey	a consistent independent advice								
	b knowledge of status of every home								
	c market intelligence								
	d show homes								
2 assessment & calculation	a accurate whole house assessment								
	b cost benefit								
3 monitoring & data	a accurate on-site works								
	b life & post works monitoring								
	c identify & quantify best practice								
	d user & contractor feedback								
	e data repository								
4 IT & software	a interoperable software development								
	b mass customisation								
	c site management								
	d on site works remote monitoring								
5 specification & detailing	a specification improvement								
	b retrofit pattern book								
6 contracting & guarantees	a contract models								
	b warranties								
	c performance guarantee								
	d quality control								
7 additional revenues	a roof top PV								
	b domestic or street scale energy storage								
	c energy production & storage aggregation								
	d carbon asset								
	e shared housing cost recovery methods								
8 finance vehicle	a multiple sources of finance								
	b public/private lending								
	c multiple bottom lines on surpluses								
9 scalability	a develop delivery infrastructure								
	b demonstrate to increase scale								
	c competitions								
	d pipeline development								
	e supply chain development								
	f connect new & existing delivery infrastructure								
10 workforce development & skills	a level of skills, provision & methods								
	b training provision study								
	c awareness raising								
	d subwork introductions								
	e apprenticeship dev't								
	f college & university engagement								
	g DfE & Td engagement								
	h industry participation								
	i work with LA's on COVID recovery plans								

Page 3 of 82



- the development of a Retrofit Hub to co-ordinate the work,

Context

This is why system change is required – retrofit is complex and multi dependencies, enablers and barriers exist

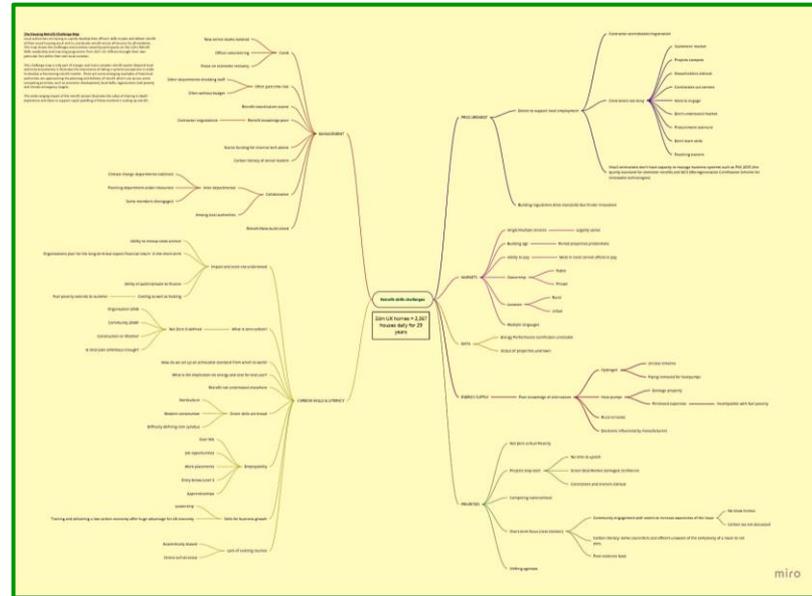
Local Authority Retrofit Challenge Map Snapshot 2022

Retrofit skills training run by the LGA in 2021/2022 showed that many local authorities are unready to support and co-ordinate local retrofit effectively’.

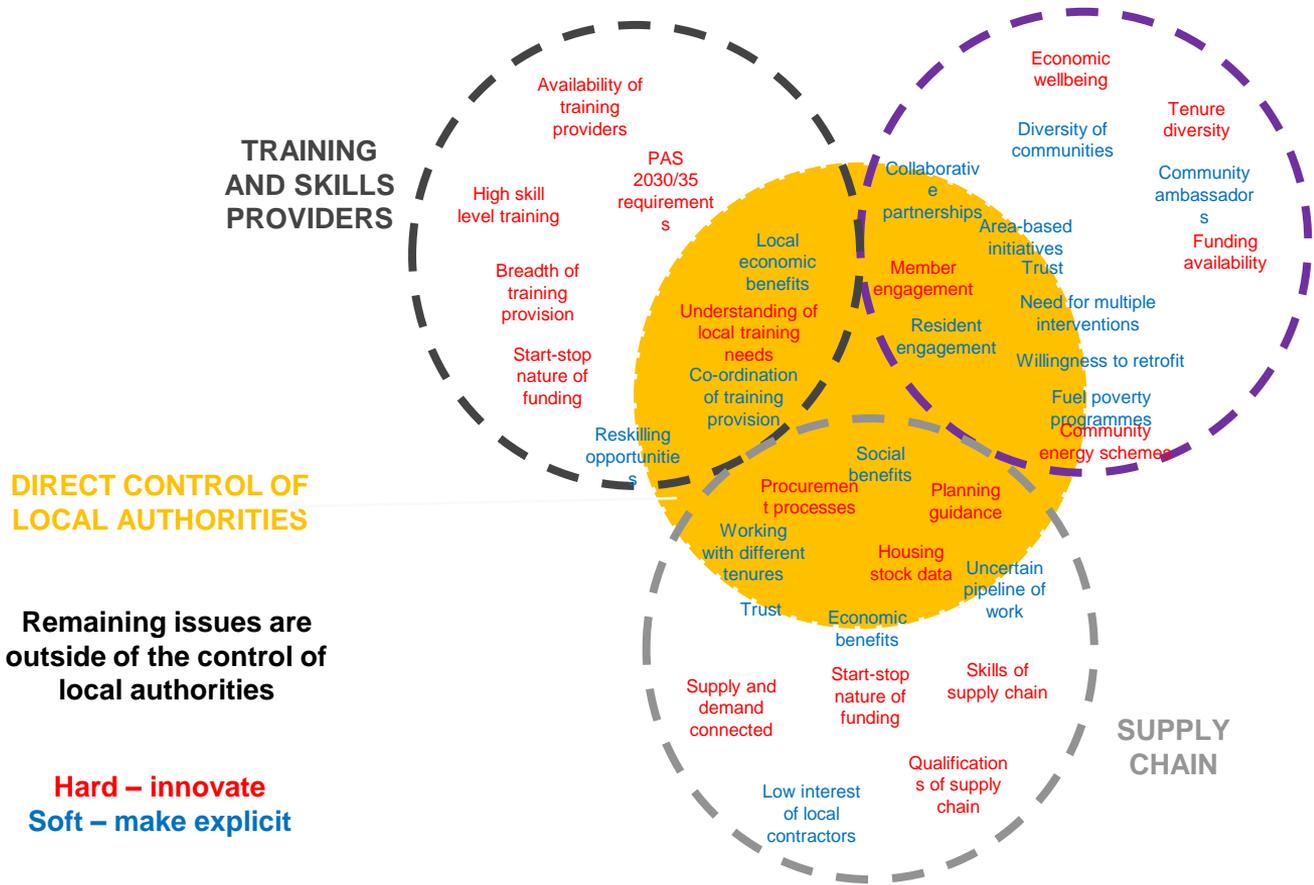
The Retrofit Challenge Map – showing some of the complexities of scaling up retrofit identified by Local Authority officers

Local authorities are having to rapidly develop their officers’ skills to plan and deliver retrofit of their social housing stock and to coordinate retrofit across all tenures for all residents. This map shows the challenges and activities raised by participants on the LGA's Retrofit Skills Leadership and Learning programme from 2021-'22. Officers brought their own particular foci within their own local contexts.

<https://www.local.gov.uk/lga-building-housing-retrofit-skills-leadership-and-learning-programme-march-2022>



Click on image to be taken to original



DIRECT CONTROL OF LOCAL AUTHORITIES

Remaining issues are outside of the control of local authorities

Hard – innovate
Soft – make explicit

COMMUNITIES

The LGA LRAP (retrofit action plan training) programme 2022

System change thinking for scaling up net zero place investment and outcomes (through a lens of retrofit)

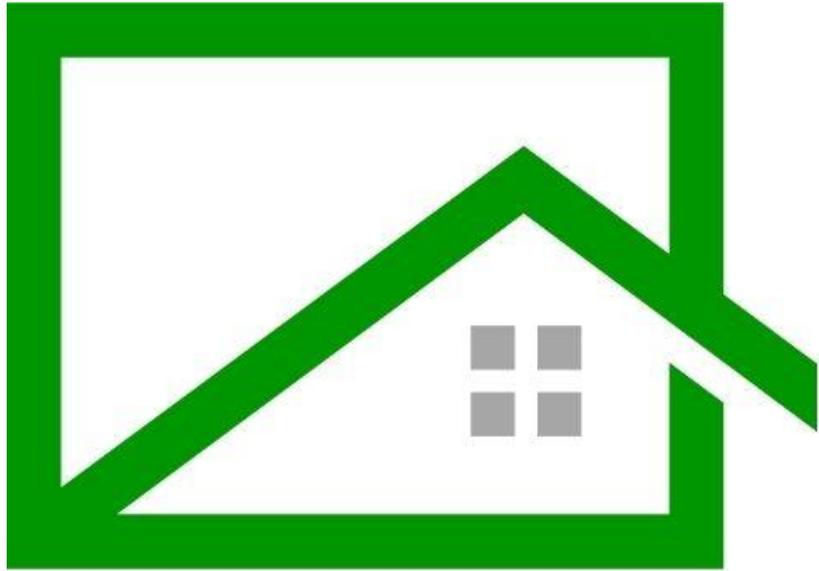
New research on the jobs and economic growth opportunities at stake. This is old news. The system change to realise these opportunities is still required.

Net Zero Review: UK could do more to reap economic benefits of green growth - GOV.UK (www.gov.uk)

Local green jobs - accelerating a sustainable economic recovery | Local Government Association

Nearly 700,000 new green jobs could be created by 2030 if councils are given a greater role in local job creation, the Local Government Association sets out today.

Official statistics show there are already around 400,000 jobs in low carbon businesses and their supply chains across the UK, with turnover estimated at £41.2 billion in 2020. Both the British Energy Security Strategy and Net Zero Strategy aim to leverage an additional and unprecedented £100 billion of private investment, while supporting an additional 480,000 British jobs by 2030.



SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

Contributors to this proposal to Government

<https://shap.uk.com/retrofit-reports/>

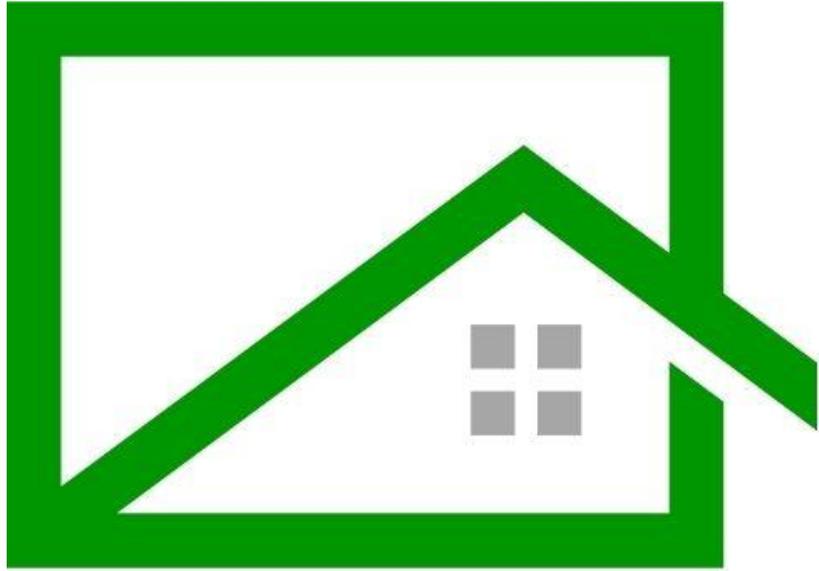
Contributors

The Wrekin
Housing Group



LOVELL





SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

The System Change Model

<https://shap.uk.com/retrofit-reports/>

Realising a hopeful vision



Enabling the achievement of clear targets



To stimulate supply and demand



Government-led systems change

A vision for retrofit



Flourishing communities, warm homes and healthy people

Zero Carbon Targets

Clear net-zero kWh/m2 targets based on house archetypes



Enabling a green supply chain

A diverse supply chain (size, skills and reach / footprint) with increased capacity, stimulated by long-term funding with certainty and stability of demand



Optimising Customer Experience

A customer-excellence framework that informs and underpins geographical household engagement and optimal retrofit delivery



National Campaign

A national government information campaign to increase awareness, serve as an umbrella to localised engagement and stimulate supply and demand



Needs-based Technology

Effective and appropriate use of technology for whole-house retrofit, enabled by primarily fabric first approach and monitoring to check in-use performance



Whole-house Property Assessments

Central repository of medium-term plans, delivering measures in the right order and that are accessible for future use.



Enhancing Skills and Quality

A long-term intelligent plan to meet the future retrofit skill needs to ensure high-quality delivery



Supportive Regulation and Legislation

Legislation and regulation that actively enables the scaling and adoption of energy efficiency



Sustainable Financing

Public, private and hybrid financing options based on need and ability to pay, encouraging investment in energy efficiency



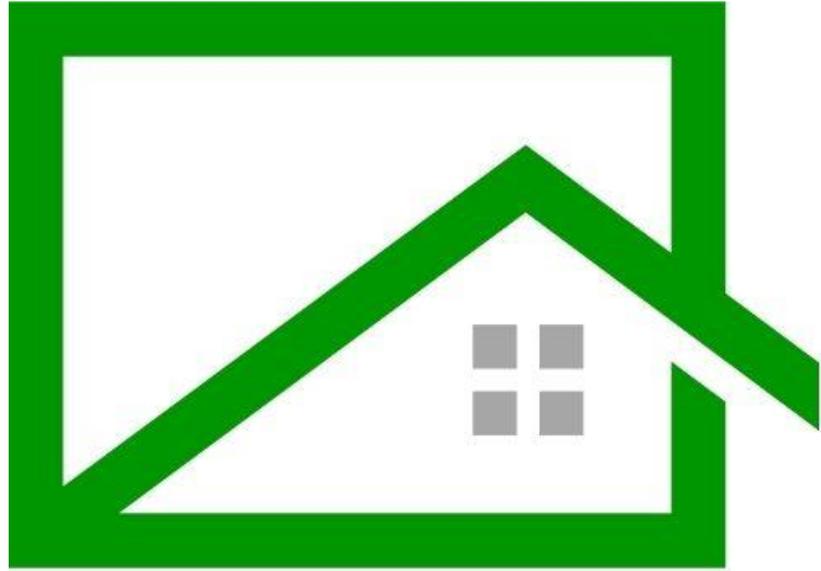
Geographical Ownership

Geographical areas of excellence based on shared skills and resources, enabling efficiencies and consistency of roll-out, leading to sustainable employment opportunities



SHAP





SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

The Ask

The Ask – to be topsliced from SHDF wave 2 – reallocating committed funding for better outcomes

- **1. The national ask: one local authority officer retrofit post funded for 5 years = 333 LAs x £50000 x 5 yrs = £83.25m**
- **2. The national ask: 10 sub-regional retrofit centres of excellence – 5 staff to create partnerships, provide technical support to LAs and RPs, drive collaboration and coordination = 10 teams x 5 yrs x 5 staff each team x £50,000 = £12.5m**
- **3. The SHAP ask : £20m over 5 years, allocated to 5 – 10 social housing providers and local authorities who will restructure internally to establish new retrofit teams**
 - **The rationale:** Restructuring from BAU to be able to resource the planning and delivery of net zero housing programmes has a cost. This cost does not lie within existing budgets.
 - **The long term impact:** of proper planning of strategic retrofit programmes is the leverage of funded/financed investment that will create sustained local social and economic impact and jobs
 - **The evidence:** 10,000 stock holder - £2.3m government revenue investment in retrofit skills leverages £230m to take 10,000 social homes to net zero and creates £944m social & economic benefit and 31,000 tonnes GHG emissions reductions
 - **The interim outcomes:** £2.3m investment in retrofit skills leverages £14m to take 10,000 social homes to EPC C and creates £71m social, economic benefit and 7,400 tonnes GHG emissions reductions
 - **30,000 stockholder** - £4.7m gap funding required



The Ask

Sustainable funding model

A funding model is needed that goes beyond capital-only, short-term programmes that only serve to increase costs and fail to build customer confidence as well as failing to enable the supply chain to increase skills and confidence.

- Change the structure of SHDF funding to be a rolling programme over 5+ years.
- Registered Providers to submit their 5 years plans to the programme funder, with initial revenue released to validate the plans for the first portion of houses.
- Once a stage gate is passed, capital is released for the retrofit works.
- Programme to be monitored against output KPIs, such as the number of homes assessed or retrofitted.
- Registered Providers' progress against retrofit plans to be integrated into the audit process every 3 years by the Regulator of Social Housing.
- Rolling programme will enable a place-based approach to be taken and ensure retrofit is integrated in social housing stock investment programmes in the long run.

Area co-ordination

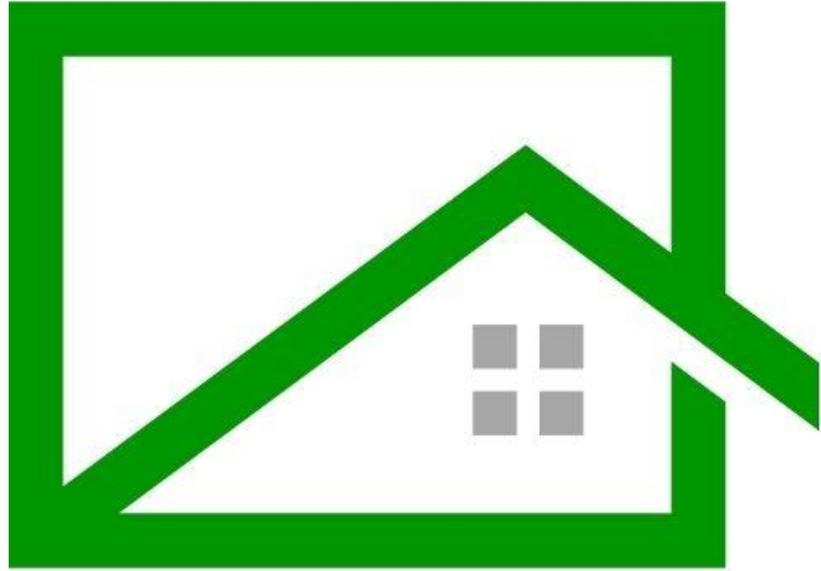
Current short-term, limited outputs do not build skills and create legacy supply or demand to build retrofit sector for the long term. The start-stop series of activity cycles increases costs by neighbouring local authorities and social housing providers competing for a limited supply of contractors and equipment.

- 5-year revenue funding for West Midlands and wider area to build skills in retrofit surveys and work, supporting local area co-ordination. This should include revenue funding for LA/RP officers to manage delivery and also for MEES enforcement – possibly funding enforcement from HHSRS fines.
- Area co-ordination to fund property assessment and project development (such as building passports, net zero neighbourhood plans), ensuring projects are more effectively delivered.
- BEIS secondments to be integrated into local co-ordination schemes to facilitate learning.
- Area co-ordination to build a local skills hub.
- Funding clients and supply chain to collaborate and improve skills for developing and responding to tender documents.
- Retrofit design playbook to be developed, through local coordination of retrofit designs

Short-term regulation changes

Existing regulation creates barriers with no significant safeguards or benefits. These should be relaxed during the development and delivery of the next SHDF/LAD programmes, providing a no/low-cost approach to gathering evidence and implementing changes for future retrofit delivery.

- Greater ability to integrate different funding streams (potentially through a gateway process) and scrap fixed funding deadlines for individual funding schemes, to create ability to bid into BEIS for a combination of SHDF and LAD funding with the potential to tie this together with new ECO flex and other local funding pots, as well as allowing for better phasing and timing of works.
- Include a local government role in investment decisions for DNOs as a mechanism to fund energy efficiency through DNOs.
- Create an innovation fund at a national level sitting alongside SHDF/LAD – for building passport development, improving assessment through better application of technology and SMETERs.
- Access to previous retrofit assessments from Trustmark – overcoming issues with GDPR/interaction of accreditation schemes.
- Clearer PAS 2035 guidance for specific types of home, e.g. park homes.
- Access to xml data files from EPCs into asset management software (API) to improve efficiency of retrofit planning.
- Scrap EPC quotas to avoid pepper potting.



SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

Our commitment

Our commitment

Local authorities and public sector bodies

- Dedicated Retrofit Champion with retrofit clearly defined in their portfolio.
- Council members briefed and engaged with statistics, data and outcomes of retrofit-potential for positive impact on electorate.
- Local plans to include a commitment to retrofit
- Delivery against wider range of government objectives through existing networks, customer journey support and collaboration – not just energy but health, housing quality, transport, community integration and crime alongside retrofit delivery.
- Retrofit funding and broader investment matched through regeneration.
- Research and publish annual reviews on progress and outcomes.
- Build up shared learning and feed back to government to generate ongoing improvement.
- Act as 'guinea pigs' for good practice and testing new approaches (such as ECO flex).
- Data-based factors – understanding and coordinating local need and building collaboration.
- Create collaboration to the existing supply chain through ongoing engagement and understanding of shared demand.

Social housing providers

- Retrofit Champion nominated at board level.
- Executive retrofit lead nominated
- Support these roles by sharing SHAP (and other) briefing papers on retrofit learning and best practice.
- Commit to cleared, definable retrofit budgets and resources (staff teams as well as capital) and share this commitment with government.
- Make a cross-tenure retrofit delivery offer, especially where the social housing provider holds stock in mixed tenure areas in order to deliver mixed-tenure, area-based retrofit programmes.
- Engage tenants/customers in retrofit programmes from the outset.

Energy advice/fuel poverty organisations

- Recruit and train Energy Advisors to be experts at retrofit alongside fuel poverty. competent
- Upskill current Energy Advisors, especially around RE and retrofit
- Train and upskill staff around Retrofit Assessor and Retrofit Co-ordinator roles to provide an independent service operating alongside existing fuel poverty work.
- Secure health connections, and strengthen collaboration with other third sector organisations, such as Age UK, CAB and community organisations.
- Strengthen community and tenant engagement around sustainable energy, whole house retrofit, cold homes issues, etc.

Realising a hopeful vision



Enabling the achievement of clear targets



To stimulate supply and demand



Government-led systems change

A vision for retrofit



Flourishing communities, warm homes and healthy people

Zero Carbon Targets

Clear net-zero kWh/m2 targets based on house archetypes



Enabling a green supply chain

A diverse supply chain (size, skills and reach / footprint) with increased capacity, stimulated by long-term funding with certainty and stability of demand



Optimising Customer Experience

A customer-excellence framework that informs and underpins geographical household engagement and optimal retrofit delivery



National Campaign

A national government information campaign to increase awareness, serve as an umbrella to localised engagement and stimulate supply and demand



Needs-based Technology

Effective and appropriate use of technology for whole-house retrofit, enabled by primarily fabric first approach and monitoring to check in-use performance



Whole-house Property Assessments

Central repository of medium-term plans, delivering measures in the right order and that are accessible for future use.



Enhancing Skills and Quality

A long-term intelligent plan to meet the future retrofit skill needs to ensure high-quality delivery



Supportive Regulation and Legislation

Legislation and regulation that actively enables the scaling and adoption of energy efficiency



Sustainable Financing

Public, private and hybrid financing options based on need and ability to pay, encouraging investment in energy efficiency



Geographical Ownership

Geographical areas of excellence based on shared skills and resources, enabling efficiencies and consistency of roll-out, leading to sustainable employment opportunities



SHAP



EXAMPLE DETAIL IN THE PROPOSAL - SUSTAINABLE FINANCING

- **An explicit link between energy efficiency and property value (rent and capital):**
 - Property valuation methodology to incorporate and reflect energy efficiency.
 - Regulation to push market to EPC C as a minimum standard for sale or rent, with a mechanism for a finance package to bring properties up to standard.
- **A suite of finance options based on needs and ability to pay:**
 - A spectrum of funding options, from fully publicly funded through to private finance packages and blended options in between.
 - A minimum of 10 years funded rolling programmes to create confidence for investors, supply chain and customers.
- **Tiered energy prices that encourage reduced consumption:**
 - Energy companies to price energy in line with consumption – higher unit rates for higher consumption levels per m2, with flexibility for hard-to-treat, multi-occupancy, health and other factors.
 - Address the increasingly disproportionate element of standing charges which is leading to decisions to disconnect.
- **Mainstream adoption of energy efficiency measures:**
 - Re-introduction of incentives such as feed-in tariff where they encourage market take-up.
 - A watching brief on best practice overseas.
- **Clear intermediary milestones for the energy transition to avoid inertia and/or stranded technology**
 - A coherent analysis and pathway to net-zero, with clarity on technologies to be adopted and complementary infrastructure to be established.

Government-led
systems change

Sustainable Financing

Public, private and hybrid financing options based on need and ability to pay, encouraging investment in energy efficiency



EXAMPLE DETAIL IN THE PROPOSAL - GEOGRAPHICAL OWNERSHIP

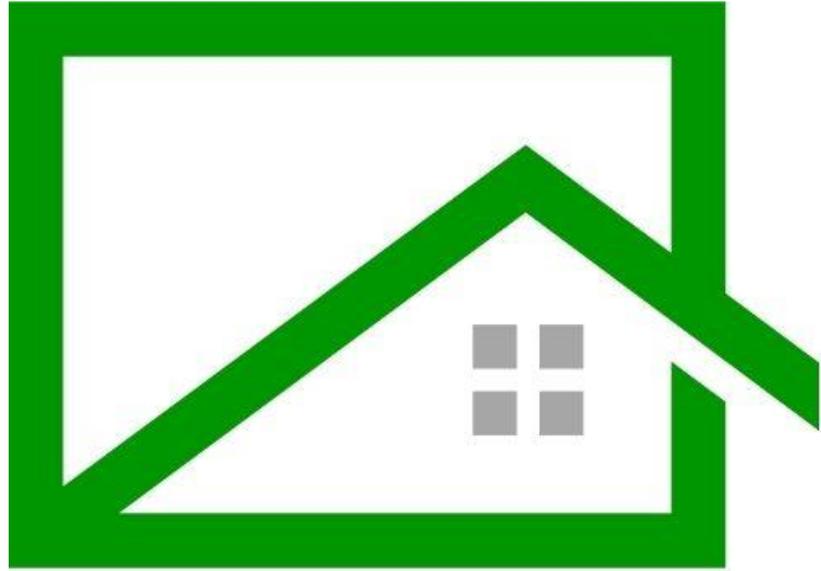
- **Create geographical areas of excellence or cohorts with common characteristics**
 - Apolitical, long-term delivery vehicles that promotes collaboration.
 - Greater integration of funding and delivery, allowing cross-tenure coordination and targeting of all homes in an area.
 - Consistent planning guidance across local authority boundaries.
 - 3-5 year revenue funding to create the necessary teams to build long term programmes and ensure 'levelling up' and support for smaller organisations.
 - Whole-place low carbon solutions leading to net zero neighbourhoods, recognising the interface between buildings, mobility, etc.
 - Recognise the timescales for adoption of new planning policy and work on interim solutions to facilitate retrofit.
- **Standardised/consistent, efficient, street-by-street retrofit roll-out:**
 - Sharing of data to enable housing stock assessment and planning.
 - Regional awareness campaigns and shared energy advice centres.
 - Multi-regional 'care and repair' agencies.
- **Sustainable local employment and inclusive growth**
 - Long-term funding for career certainty.
 - Consistent and accredited training and development.
 - Local regional procurement frameworks tailored to smaller contractors' needs.

Government-led
systems change

Geographical Ownership

Geographical areas of excellence based on shared skills and resources, enabling efficiencies and consistency of roll-out, leading to sustainable employment opportunities





SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

Immediate Actions

Immediate actions to affect systems change

1. Designate housing as critical infrastructure: and commit to outcomes rather than outputs as measures of Key Performance Indicators and Value for Money appraisals

2. Confirm a minimum 10 year capital funding commitment: spanning parliamentary cycles with longer bidding timescales and simpler eligibility criteria for beneficiaries

3. Allocate 3 – 5 year revenue funding: to create the necessary teams to start building long term programmes and ensure 'levelling up' so smaller organisations aren't left behind. This should include funding for:

- 1 retrofit project manager post at every Local Authority and every Registered Provider.
- 1 retrofit hub at every Combined Authority and at every LEP not otherwise served by a Combined Authority
- A SHAP partner demonstrator of system change in delivering retrofit at scale

4. Establish national coordination: of the development of the components of the national retrofit programme including digital tools, data management and access and skills and training from client to public and the whole supply chain

5. Initiate a national and sustained public awareness and housing sector communications campaign: with clear, straightforward information and guidance to build trust and demand

6. Review the regulatory barriers inhibiting effective retrofit delivery: e.g. inconsistent VAT rates for different measures and clearer permitted development planning policies

7. Clarify and confirm:

- Fabric energy performance standards and targets
- Energy performance modelling and reporting methodologies
- A technology roadmap and energy cost models to ensure fuel poverty is addressed in fabric + low carbon energy solutions to reducing domestic energy demand
- Legislative framework for 'warm rents'
- Energy generation/storage/income models – regulatory framework changes, income values and timescales applying

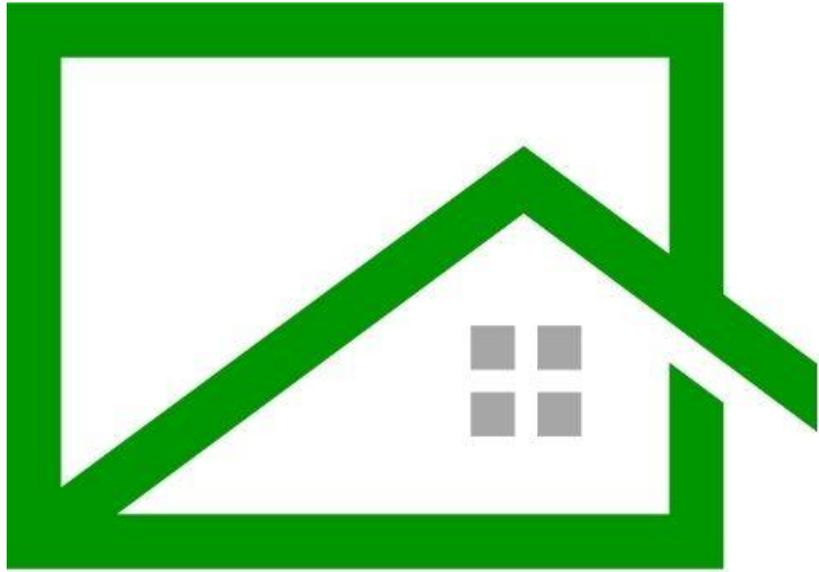


Proposal to Government

Current understanding

- The SHAP proposal to Government provides detail supporting many of the Chris Skidmore Net Zero report actions and recommendations.
- Retrofit is complex and must be seen as sitting within the context of net zero places. A buildings led approach will only get us so far. A whole system approach including energy generation/storage; wider quality of life considerations including mobility/green/blue space is critical. The Dudley Net Zero Neighbourhoods project builds on the findings of the Zero Carbon Rugeley project to explore net zero placemaking wider components.
- SHDF and LAD have successfully created collaborative partnerships in some areas and this needs to be built in to bring more organisations and areas into planning and delivering retrofit.
- There is more widespread understanding of the cost, requirements and complexity of delivery of retrofit programmes but approaches for successful all tenure solutions are urgently required.
- Long term multi parliament funding commitments are needed but...we wait to see and try to influence how this flows from the Chris Skidmore report.





SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

**Mapping the
SHAP retrofit
system change
proposal to The
Skidmore Report**

25 key immediate actions and 129 recommendations

20	Local and regional	Fully back at least one Trailblazer Net Zero City, Local Authority and Community, with the aim for these places to reach net zero by 2030.
21	Local and regional	Reform the local planning system and the National Planning Policy Framework now. Have a clearer vision on net zero with the intention to introduce a net zero test, give clarity on when local areas can exceed national standards, give guidance on LAEP, encourage greater use of spatial planning and the creation of Net Zero Neighbourhood plans, and set out a framework for community benefits.
22	Individuals	Publish a public engagement plan for England by 2023, to ramp up public engagement on net zero.
4	Stable environment for business to plan and invest	Conduct and publish, before Autumn 2023, a review of how we should change regulation for emerging net zero technologies to enable their rapid and safe introduction, to support the net zero transition and boost growth.
5	Stable environment for business to plan and invest	By the end of 2023 HMT should review how policy incentivises investment in decarbonisation, including via the tax system and capital allowances.

West Midlands Combined Authority The Mayor Who we are What we do

Home > News > Dudley to develop first Net Zero Neighbourhood in the West Midlands

Dudley to develop first Net Zero Neighbourhood in the West Midlands

Published: Thursday 29 Sep 2022

Brockmoor in Dudley has been chosen to participate in a landmark scheme funded by the West Midlands Combined Authority (WMCA) to combat climate change and slash household energy use.

The Net Zero Neighbourhoods demonstrator programme will not only help tackle fuel poverty but also support the West Midlands' ambition to be a net zero region by 2041.

The WMCA will invest £1.65m capital into Phase 1 of the scheme, which will see low energy retrofits take place in at least 50 homes in Brockmoor, as well as wider improvements to the neighbourhood such as new green spaces and transport links.

ENERGYCAPITAL
West Midlands Combined Authority

What is a Net Zero Neighbourhood

The infographic consists of five colored boxes with icons and text:

- Low carbon mobility and active travel:** Icon of a person walking, a bicycle, and a car with a plug.
- Community engagement and co-design:** Icon of a group of people standing together.
- Warm, energy efficient housing with low carbon heating:** Icon of three houses with a chimney and a plug.
- Neighbourhood regeneration and green spaces:** Icon of a park with a tree and a bench.
- Community resilience and inclusive growth opportunities:** Icon of a storefront with a sign.

6 Stable environment for business to plan and invest	Through their update to the Green Finance Strategy, BEIS and HMT should set out a clear, robust and ambitious approach to disclosure, standard setting, and scaling up green finance – including how it will meet existing commitments to implement Sustainable Disclosure Requirements across the economy; how it will provide a clear, long-term plan for attracting capital to meet net zero ambitions, and how to maintain the UK's position as the leading green finance hub internationally and metrics for success.
7 Stable environment for business to plan and invest	A new forum to coordinate across all regulators on the signals they are sending to businesses and investors across sectors about the net zero transition – including Ofwat, Ofgem, Environment Agency, Competition and Markets Authority, FCA, and the North Sea Transition Authority.
8 Long term funding certainty	At the next Spending Review, review options for providing longer-term certainty to a small number of major priorities for net zero – where we know that long-term policy commitment will be essential for success and provide long-term opportunities to save money.
9 Stable environment for business to plan and invest	Publish an overarching financing strategy covering how existing and future government spending, policies, and regulation will scale up private finance to deliver the UK's net zero enabled growth and energy security ambitions. This should include setting out the role of UKIB, BBB, BII, and IPA and UKEF in the transition.

ACCELERATING RETROFIT

A REVOLUTION FROM THE COMFORT OF OUR OWN HOME?



YOUR HOME BETTER

delivered by:

THE 10 COMPONENTS

1. CUSTOMER JOURNEY
2. ASSESSMENT + CALCULATION
3. MONITORING + DATA
4. IT + SOFTWARE
5. SPECIFICATION + DETAILING
6. CONTRACTING + GUARANTEES
7. ADDITIONAL REVENUES
8. FINANCIAL VEHICLES
9. SCALABILITY
10. WORKFORCE DEVELOPMENT

the consortium:

- FlextricityWorks
- red.coop
- Creative Concern
- Landology
- Flextricity
- Graham Oakes
- Parity
- B4Bbox
- Q-bot
- SHAP
- Salford University

<https://shap.uk.com/retrofit/>

YOUR HOME BETTER

WHO WE ARE: a systemic intervention delivering retrofit to willing to pay homeowners in Greater Manchester



<https://yourhomebetter.co.uk>

YOUR HOME BETTER

ZERO CARBON RUGELEY



<https://www.ukri.org/about-us/how-we-are-doing/research-outcomes-and-impact/innovate-uk/zero-carbon-rugeley/>

This project aims to deliver an energy system design that is sustainable, low carbon and drives the regeneration of a town and its local energy infrastructure.

SHAP is a consortium partner and leading on:

WP15 Buildings and Connected Homes – designing for retrofit within the context of the energy infrastructure, mobility, financing solutions and business case development.

We have demonstrated that a fabric first retrofit design must be developed with reference to net zero placed based decisionmaking. This will be further demonstrated through the Dudley Net Zero Neighbourhood project.

The SHAP Approach – current work includes development of a Retrofit Readiness briefing

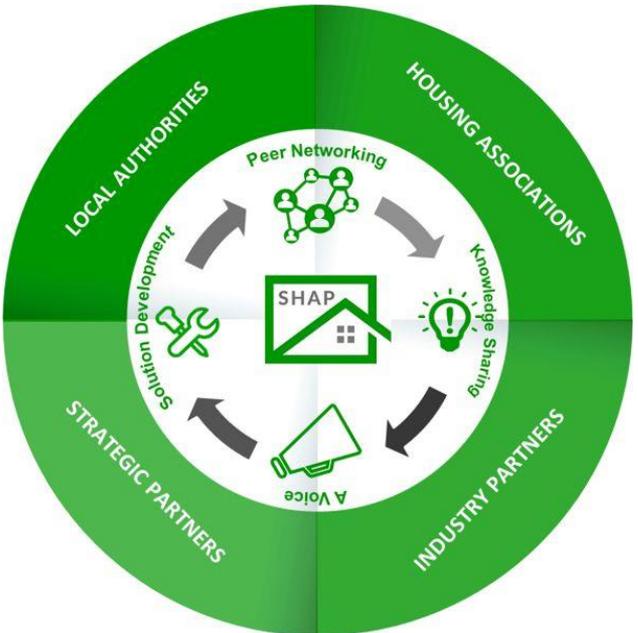
Whilst there is a focus on construction skills for retrofit, there is a clear need to raise awareness and skills of many others including decisionmakers with direct roles in development and delivery of retrofit strategy, programmes and projects and key stakeholders such as finance, procurement, planning, regulatory services and others.

SHAP is therefore preparing a Retrofit Readiness briefing which will includes insights not just into skills but into the understanding of process, dependencies and key enablers.

This will be informed by all our work to date and by a deeper look at non-technical barriers through the Innovate UK funded Staffordshire Net Zero Living project starting in April 2023.



The SHAP Approach – a membership organisation of peers from across the housing sectors offering member led research and policy development



A Safe Space & Peer Networking



Knowledge Dissemination

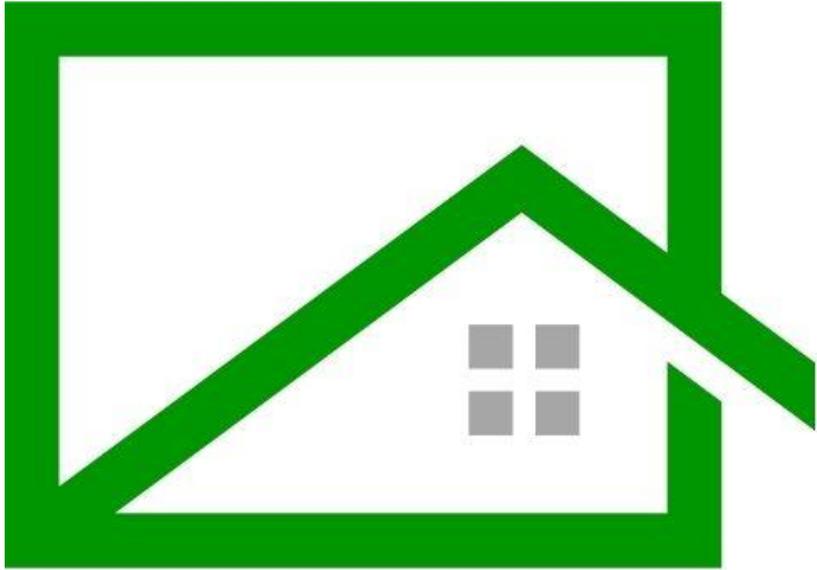


A Platform For Voices



Solution Development





SHAP

SUSTAINABLE HOUSING
ACTION PARTNERSHIP

JOIN SHAP TODAY

Download
membership form
here

**All tenures, private, public,
business, supply chain**

Rosemary Coyne
co-ordinator@shap.uk.com