Environmental Change Institute



### **Retrofit Salary Sacrifice:**

# A financial incentive to help decarbonise owner occupied houses.

Marina Topouzi

11<sup>th</sup> Oxford Energy Day – Oxford Martin School, 28<sup>th</sup> Sept 2023



C R E D S

CENTRE FOR RESEARCH INTO ENERGY DEMAND SOLUTIONS



# What is the problem(s) to solve

#### Global share of buildings and construction final energy demand, 2021



**M** Who gains from Rishi's 'long-term' thinking? Not the planet, not the north ... not even him Marina Hyde

'Let Rishi be Rishi', is the new Tory catchphrase. So far, that seems to be code for 'let Britain be rubbish' - and Suella Braverman is circling, says Guardian columnist Marina Hyde



A I'm a Tory MP, but I know Rishi Sunak's claims about the cost of net zero are false *Chris Skidmore* 

221

45 3h ago

United Nations Environnement Programme 2022

for **RETROFIT** uptake

DEMAND



27m ago



UK homes, CR 🔁 DS eci

Source: Killip, G., Fawcett, T., Jofeh, C., Owen, A. M., Topouzi, M, Wade, F. (2021) Building on our strengths: a market transformation approach to energy retrofit in UK homes, Federation of Master Builders. Centre for Research into Energy Demand Solutions <a href="https://www.creds.ac.uk/building-on-our-strengths-transformation-to-energy-retrofit/">https://www.creds.ac.uk/building-on-our-strengths-transformation-to-energy-retrofit/</a>

# **Developing a financial incentive for retrofit**





### **Changes in context related to Home Efficiency**



### **Rationale: Retrofit Salary Sacrifice scheme**

#### Successful salary sacrifice schemes

Green Finance

<sup>inancing</sup> energy

efficient buildings:

the path to retrofit



one policy solution to tick all boxes and solve the problem of the whole housing sector

#### Green Finance Institute 2020

lending product for owneroccupied with a number of potential delivery partners

problem create demand for retrofit uptake

### DEMAND TRIGGER **Working From Home** WORKING SMARTER WORKING

What is different:

### **Retrofit & RMI** (owner occupied housing sector) £1.5b

### Salary sacrifice scheme:

employees getting a loan through their employer for home energy improvements, which is repaid via gross salary contributions



BUILDING COUNCIL

**Retrofit Incentives** 

# Why RSS is different ...

#### A.Builds on

- Government's Net Zero objectives without raising taxes
- Salaried 'able-to-pay' homeowners for flexible 'future work' patterns

- Existing retrofit services (OSS-CosyHomes), and mechanisms for quality assurance of works and price control of suppliers (PAS), and retrofit roles (and accredited installers (Trustmark)

#### D. Facilitates

- Access to retrofit planning advice and finance with customer/employee centred 'service' for retrofit and RMI

- Investment in retrofitting without upfront costs and without affecting credit scores

....'able-to-pay' doesn't necessarily mean 'able-to-retrofit' if there isn't any incentive and support in customer's retrofit journey (BEIS, 2021a)

#### B. Prioritises

- Evaluation & 'understanding-first' the existing building condition, and Retrofit and Repair Maintenance & Improvement (RMI) planning

#### C. Creates

- New narratives for home efficiency and trigger for 'homeoffice' improvement

- New narratives on employment relationships
- New narrative for employers addressing Scope 1-3 of their direct/indirect carbon emissions
- Leverage for additional demand for retrofit 'service' and professionals/roles



### Testing the feasibility of the RSS idea

ESRC IAA/HEIF- Social Sciences Engagement Fellowship Fund (March 2023 5 months)

Data Collection:

- **Online survey** to 5 stakeholder groups (n=70).
- Half-day online workshop (n=18).
- One-on-one conversations and meetings (n=45).

Key areas explored:

- identify where value will be delivered by RSS and to which sectors/stakeholders
- what additional benefits/barriers are associated with these value streams
- how do these **benefits/risks** compare with alternative interventions





Monthlynet

salary

UNIVERSITY OF

salarv

### **Stakeholder Perspectives: Value & Beneficiaries**

Value		6		GOV.UK	m	Value
Retrofit Salary Sa	$_{\rm T}$ Construction sec $\downarrow$	$_{\mathrm{T}}$ Employee/homec $\downarrow$	т Employer/compa $\downarrow$	$_{\rm T}$ Government/Las $\downarrow$	$T$ Banks/Lenders $\downarrow$	${f T}$ Retrofit Salary Sa
Convenience and Practicality		Simplified process	Flexible working			Convenience and Practicality
Carbon Reduction & Environmental Goals		← N	leet their own carbo	on reduction goals	→	Carbon Reduction & Environmental Goals
Policy Alignment and Utilization	Existing skills/roles			Existing policies		Policy Alignment and Utilization
Engagement and Market Stimulation	Stimulate supply chain growth	T		Boost retrofit		Engagement and Market Stimulation
Enhanced Reputation & Value Proposition	Prepare for future demands		Eco-conscious reputation		Ethical differentiation & sustainability goals	Enhanced Reputation & Value Proposition
Quality and Assurance	Accreditation & high-quality delivery	, Customer trust				Quality and Assurance
Risk Management and Trust	Mitigates payment	s & quality assuran	се		RSS structure	Risk Management and Trust
Economic and Socio- Economic Benefits	Job creation	Energy savings		Job creation & broader economy		Economic and Socio- Economic Benefits
Financial Accessibility & Affordability	Accessibility of fu	nding and finance	Staff retention		Reduced risks	Financial Accessibility & Affordability

10

# Perceived challenges & potential barriers/risks



What if employees aren't interested?



How do we ensure **consistent quality** of delivery without making certification onerous?



What happens to the loan if I leave the employer providing the scheme?



How do we minimise administrational complexity, quality assurance and attractiveness to homeowners?



How do we make it fair to those who aren't homeowners?



# Summary

### What did we learn?

#### A. Unique Value of RSS Scheme:

**Intensifies diverse routes for delivering value** that are harder to deliver with other retrofit programmes for the **home-owner able to pay sector**.

#### **B. Leveraging Past Experiences:**

Using the **vast reservoir of insights and in place mechanisms and services f**rom other retrofit pilots that can be instrumental in crafting an effective RSS scheme.

#### C. Detail-Oriented Planning:

For a successful pilot and subsequent rollout, attention to detail is crucial. It is vital to define clear roles, responsibilities, manage cash flows, and establish robust risk management mechanisms.



### **Conclusions & next steps...**



- Context and time
- Identify the change
- Discourse and novel narratives
- Engagement with stakeholders & project partners

#### Next steps

Planning and developing strategies to secure funding for the RSS pilot – IUK Pathfinder bid currently in progress



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# Thank you

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