









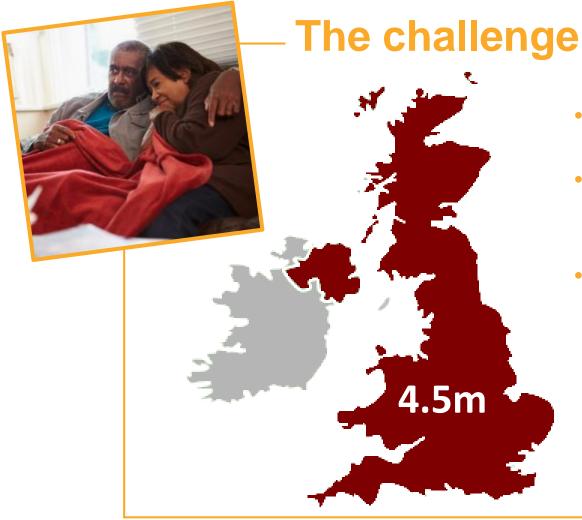


### Agenda

- The challenge
- How is energywise helping?
- Trial design + the journey
- What we have achieved
- How is innovative?
- Learnings

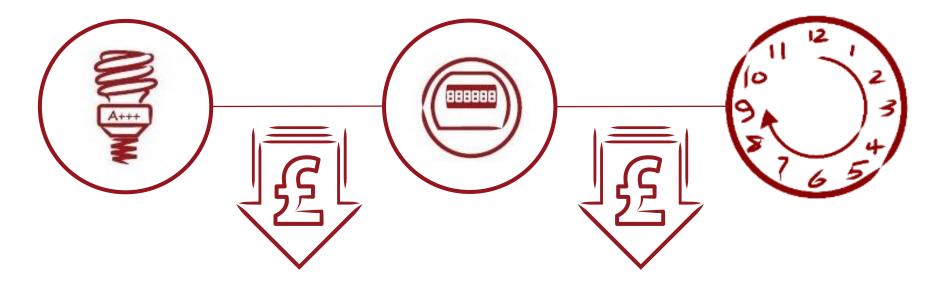


### **Energy and fuel poverty**



- 4.5m households in the UK in fuel poverty
- Little research to date about the impact of smart technologies and Time of Use tariffs on the fuel poor
- Marginal role traditionally played by DNOs in delivering energy measures to these customers

#### **Smart energy and fuel poverty**



To benefit those who need them the most, the delivery of smart energy measures must be

**INCLUSIVE TO ALL**, including vulnerable and hard-to-reach



















elementenergy





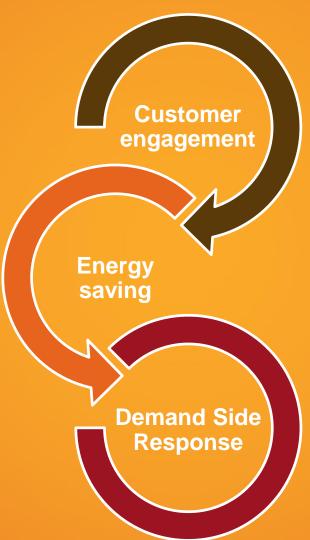


# energywise video



## **Key questions**

What energy savings can people in fuel poverty achieve?

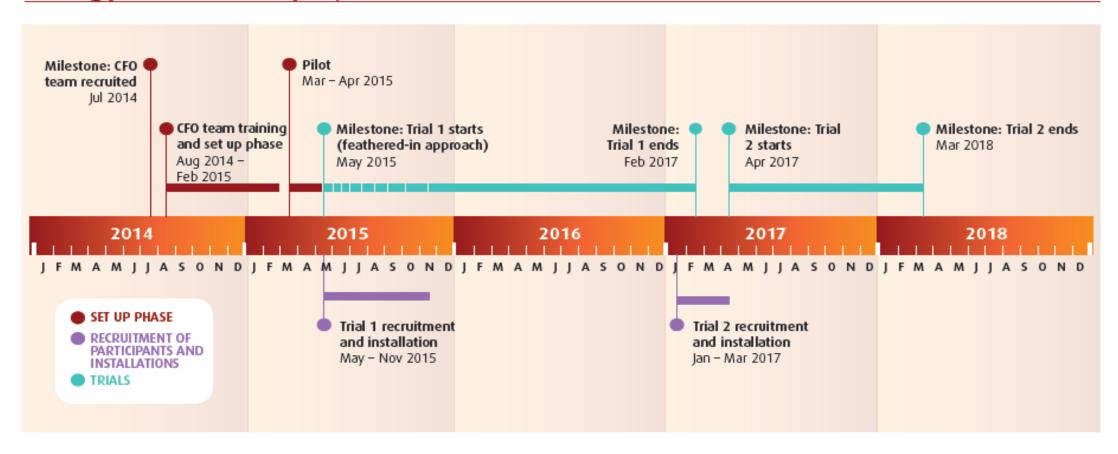


What is the best way to engage with this customer base?

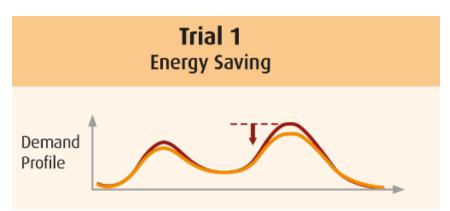
How can they respond and benefit from DSR opportunities?

## The journey

#### energywise overall project timeline



# energy wise at a glance









#### **Key achievements**

Identification of trial participants

Engagement with customers

Delivery of energy interventions Time of Use tariffs offerings



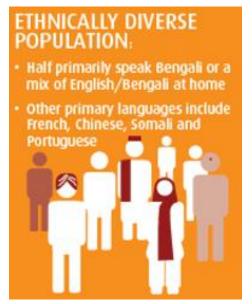
#### Identification of eligible participants

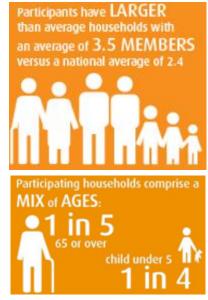
Eligibility criteria (proxies for fuel poverty)

- Social housing tenants
- Living in a less efficient property EPC band C-G
- British Gas customers
- Additional criteria

1,352 customers identified Target 1 in 3

Trial 1 sign-up rate: **538** signed up out of 1,352 approached (40%)







#### **Engagement with customers**





- Tailored engagement strategy
- Trusted community partners
- Knowledge of local culture and languages

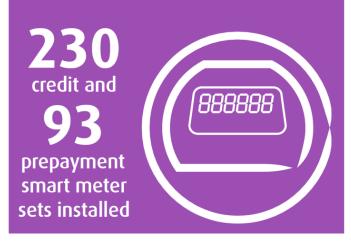
"The [energywise officers] were absolutely great; they came and knocked on the door, showed their IDs, they asked if I had time, they were very polite; they listened to what I said, I was really happy with them" energywise participant

"The field officer was brilliant, we were talking and laughing; he was lovely, understandable, understood my concerns, took on board my issues." energywise participant



### **Delivering energy interventions**







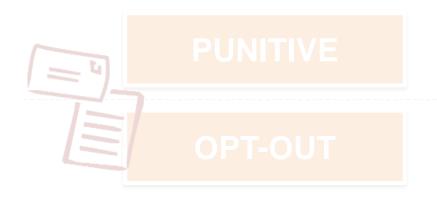


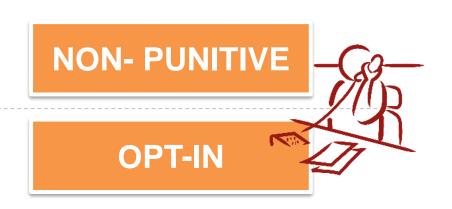


Seeing how much I was spending amazed me. Me and my son turn off all of the lights now. We never did that before.



### Offering suitable ToU tariffs





HomeEnergy FreeTime tariff:

offers free electricity 9am to 5pm on Saturday or Sunday (depending on customer's choice)

Credit customers

Critical Peak Rebate
(Bonus Time):
dynamic non-punitive ToU
tariff with notifications
provided via SMS (plus

email upon request)

Prepay customers

**66** Bonus Time events

Evening, AM, noon, and weekend events



#### **Trial 2 material**



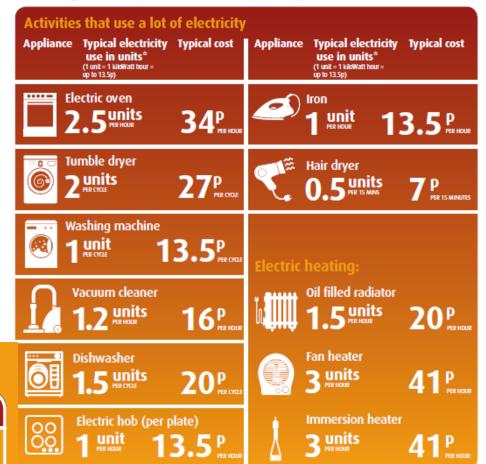
#### Some changes you may be able to make:

Time Shifting Advice tailored to

each offer

#### How much electricity do your appliances use?

The following table shows you how much electricity typical appliances use.





### Working with key stakeholders





#### Keep informed

- Other DNOs
- Local authorities
- Media
- Energy industry

#### Key players

- Ofgem
- BEIS
- Project partners
- Third parties/ suppliers to project
- Consumer groups

#### Build awareness

 Wider population

#### Keep satisfied

 Trial participants



#### What's new?

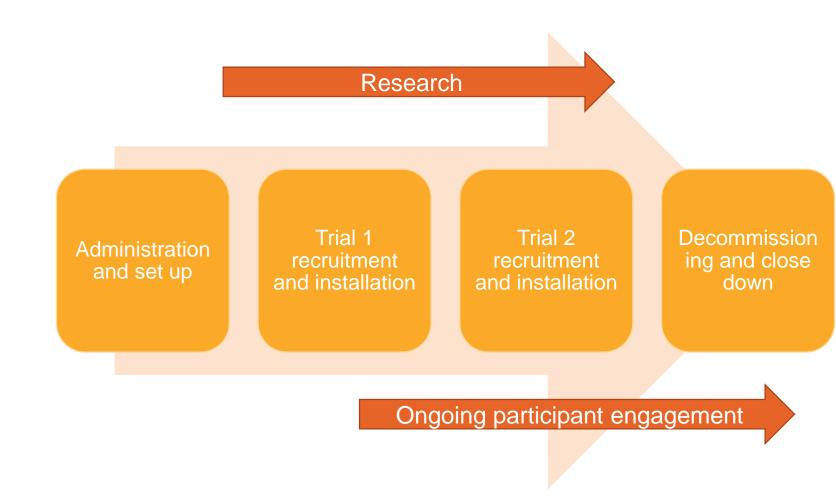


- ✓ Tested an innovative, collaborative approach between distribution network operators, energy suppliers and community members in engaging households on energy saving and shifting times when energy is used
- ✓ Trialled smart meter solutions including prepayment smart meters and new energy tariffs in a local community
- ✓ Demonstrated smart meter infrastructures for high rise buildings with difficult meter arrangements
- Explored how much households can benefit from these solutions and how a change in demand may benefit the electricity network

### energywise- project learnings

Next sessions will cover learnings from:

- Recruitment and engagement of participants (CAG Consultants & Bromley by Bow Centre)
- **Electricity saving and shifting: the** customer perspective (UCL)
- **Electricity saving and shifting: the network perspective** (Element Energy)
- Overall project learnings (UCL and Element Energy)







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