

Building Consensus for Energy Productivity

Philip Sellwood, Chief Executive

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The Bigger Picture: Government

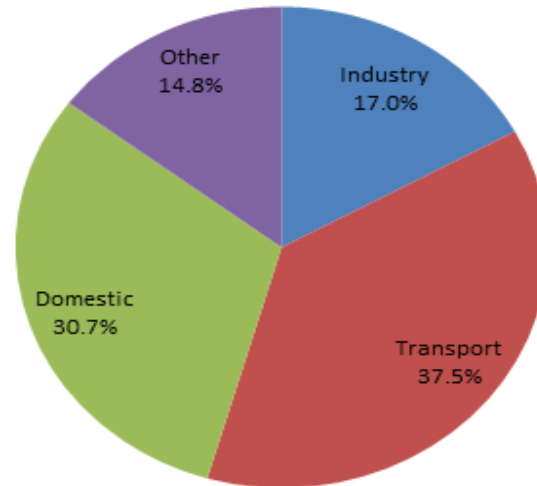
Zero Carbon Homes

Green Deal

Feed-in Tariffs

Energy Company Obligation (ECO)

Final Energy Consumption by End User in 2013



Source: Energy Saving Trust



The Case for Large-scale Government Investment

- £8.7 billion - net economic benefit provided by a programme to make UK homes energy efficient
- £3 billion - could help establish a world leading energy efficiency programme.



Ready for Retrofit

- £4m from the European Regional Development fund
- Three-year scheme set up to create a sustainable domestic energy efficiency and microgeneration sector in the South West
- Scheme supported 560 small businesses, created 140 jobs and £8.2 million of investment in the South West alone



Health benefits

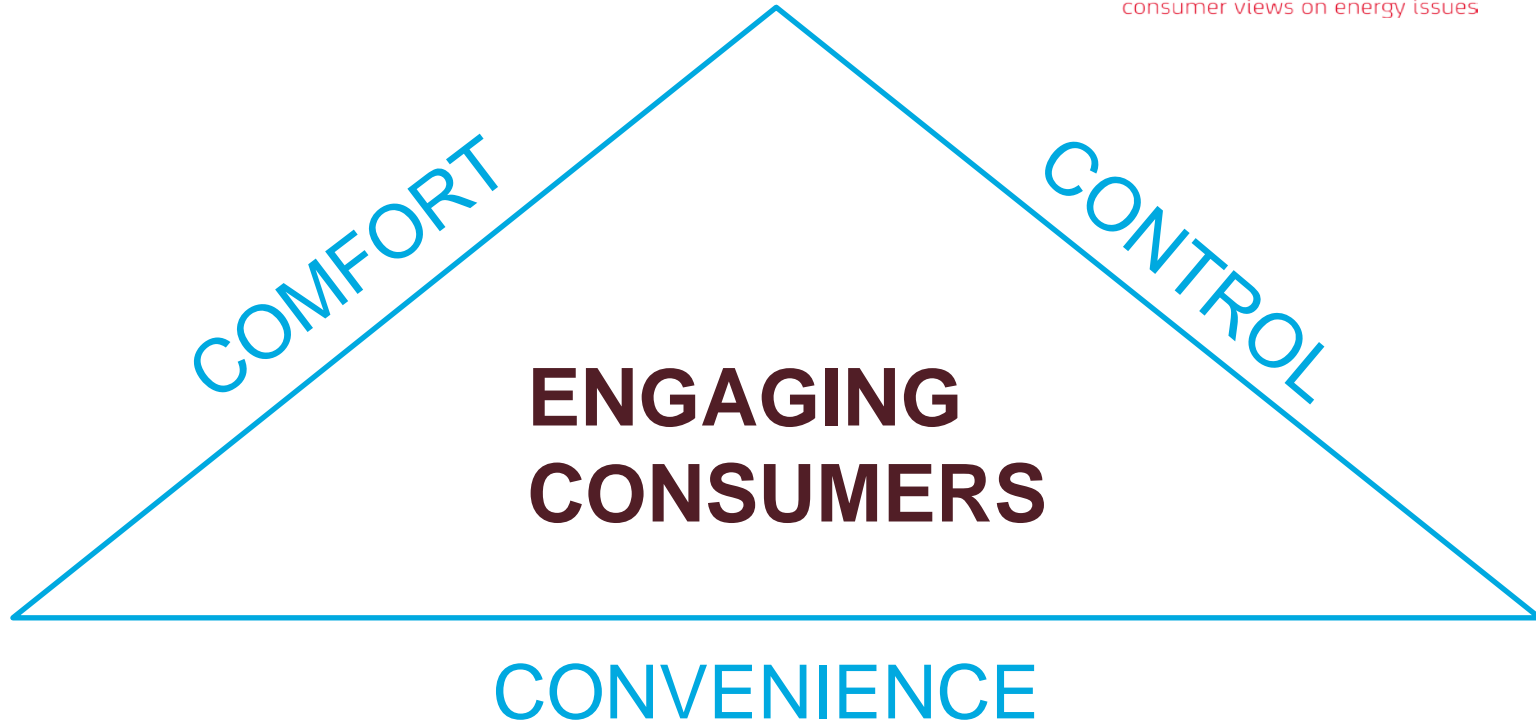
- 2014/15 - estimated 40,000 excess winter deaths in the UK
- Department of Energy and Climate Change evaluation model to quantify and monetise the health benefits associated with the changing indoor conditions brought about by energy efficiency
- Estimated present value of health benefits achieved from cavity wall insulation for a typical home: £1050



Energiesprong



A look to the future
with whole house
transformations to
zero net energy



The Opportunities to Engage Consumers

80% of UK householders believe they understand their heating controls yet 50% of households misuse them

UK Pulse Survey

Just under half of respondents were interested in buying an intelligent thermostat, which would allow them to **control** their heating remotely

Just under half said that the opportunity to make their home more **comfortable** was a key reason for interest.

**SMART METERS GIVING
VICTORIAN CONSUMERS
“NO BENEFIT ON ELECTRICITY
BILLS”, [AUDITOR-GENERAL]**

The Potential of Smart Meters

- Nearly 90% of householders found the smart meter and web-tool system useful
- Householders appreciated access to online and personalised telephone support
- Advisers were able to tailor advice based on the smart meter data
- A high number of energy efficiency measures have been installed as a result of the programme



Why Put Consumers at the Centre?

Dashboard
Users
Programmes
Projects
Properties
Documentation
API users

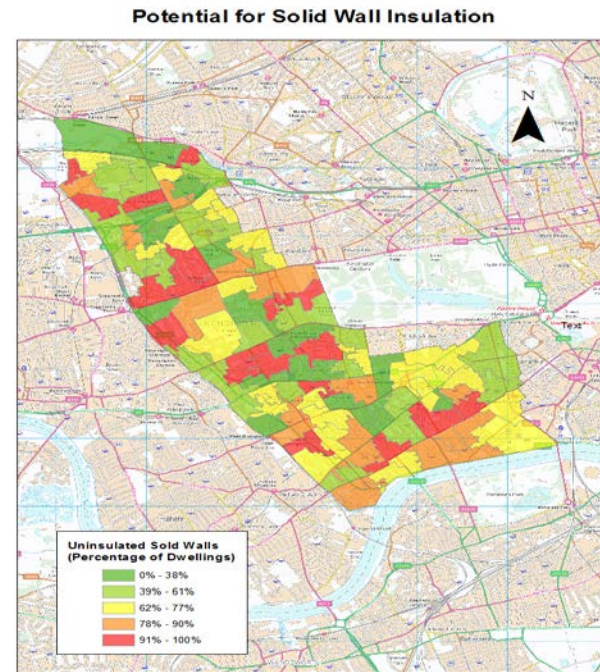
Geoff Stevens | Log out

properties

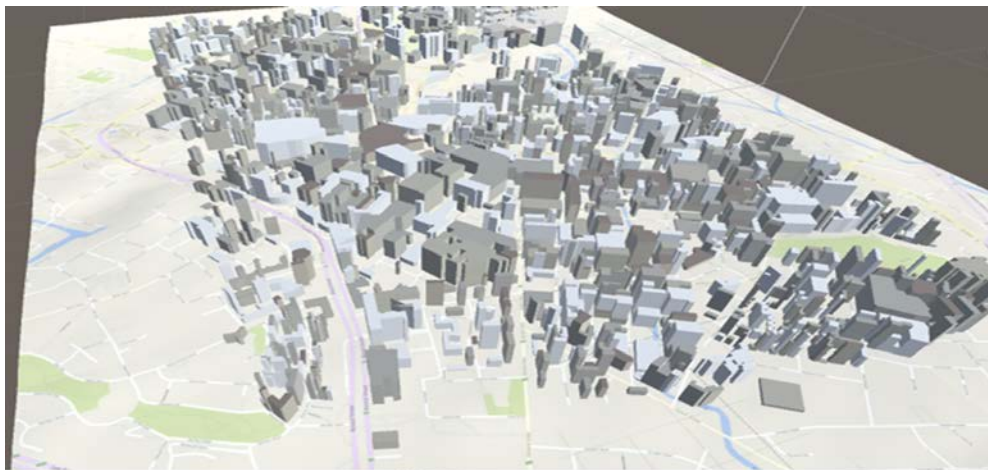
Add a new property

« Previous 1 2 3 4 5 6 Next »

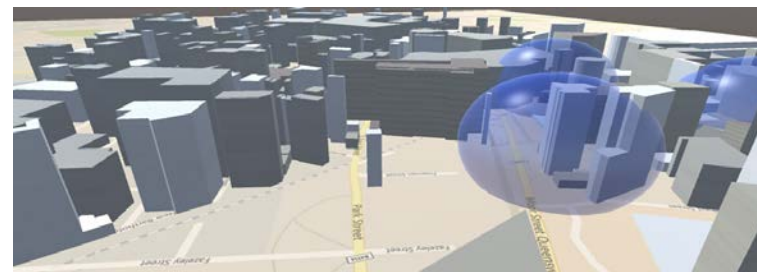
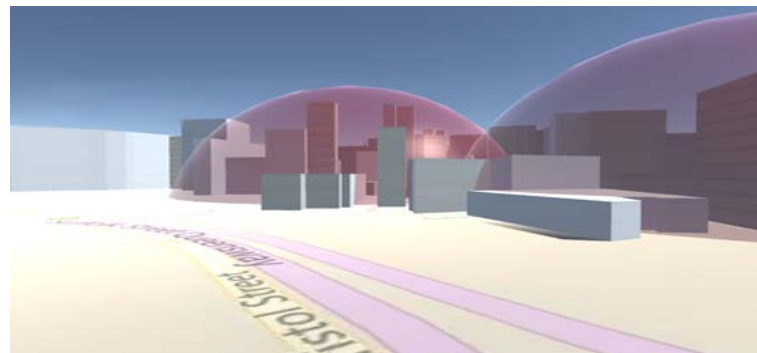
	Property	Property code	Project	Last activity	Monitoring level	Data completeness
R	Kearsley ,Bolton, Greater Manchester, BL4 England	TSB032	Eco-retrofit	10 days ago	3 - whole house monitoring w/ sub metering & occupant evaluation	●●●●○
R	Ealing , London, W3 England	TSB033	Eco-retrofit	14 days ago	3 - whole house monitoring w/ sub metering & occupant evaluation	●●●●●
R	Eltham, London, SE19 England	TSB034	Retrofit & Replicate	8 days ago	3 - whole house monitoring w/ sub metering & occupant evaluation	●●●●●
R	Crescent, Compton, Berkshire ,RG10 England	TSB036	architects - Compton, Berkshire	8 days ago	3 - whole house monitoring w/ sub metering & occupant evaluation	●●●●○
R	Adelaide Waters , Cambridge, CB1 England	TSB040	Housing Society - Adelaide Waters Almshouses	8 days ago	3 - whole house monitoring w/ sub metering & occupant	●●●●○



Building consensus by using data



SICEDS prototype



Building a consensus

- A narrative that communicates the multiple benefits of greater energy productivity, that politicians can communicate to voters.
- Agreement on data and insight so that:
 1. The decisions we make are **informed**
 2. They lead us to **cost-effective** solutions
 3. They provide us with the ability to **engage consumers** in a way that's **relevant** to the homes they live in and the way they lead their lives.

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energy[®]
saving
trust