

E3G

Energy Bill REVOLUTION

Energy Projects Plus September 2014

The Fuel Poverty Crisis in the UK

6 million UK households in fuel poverty
(10% definition)

3 million UK households in fuel poverty
(LIHC definition)



Children in fuel poverty in UK



**Higher risk of
respiratory diseases**



**Higher risk of
mental health problems**



Children in fuel poverty in UK

Netmums Survey – 1 in 4 members choosing
between heating and eating



Elderly in fuel poverty in UK



24,000 Excess Winter Deaths per year



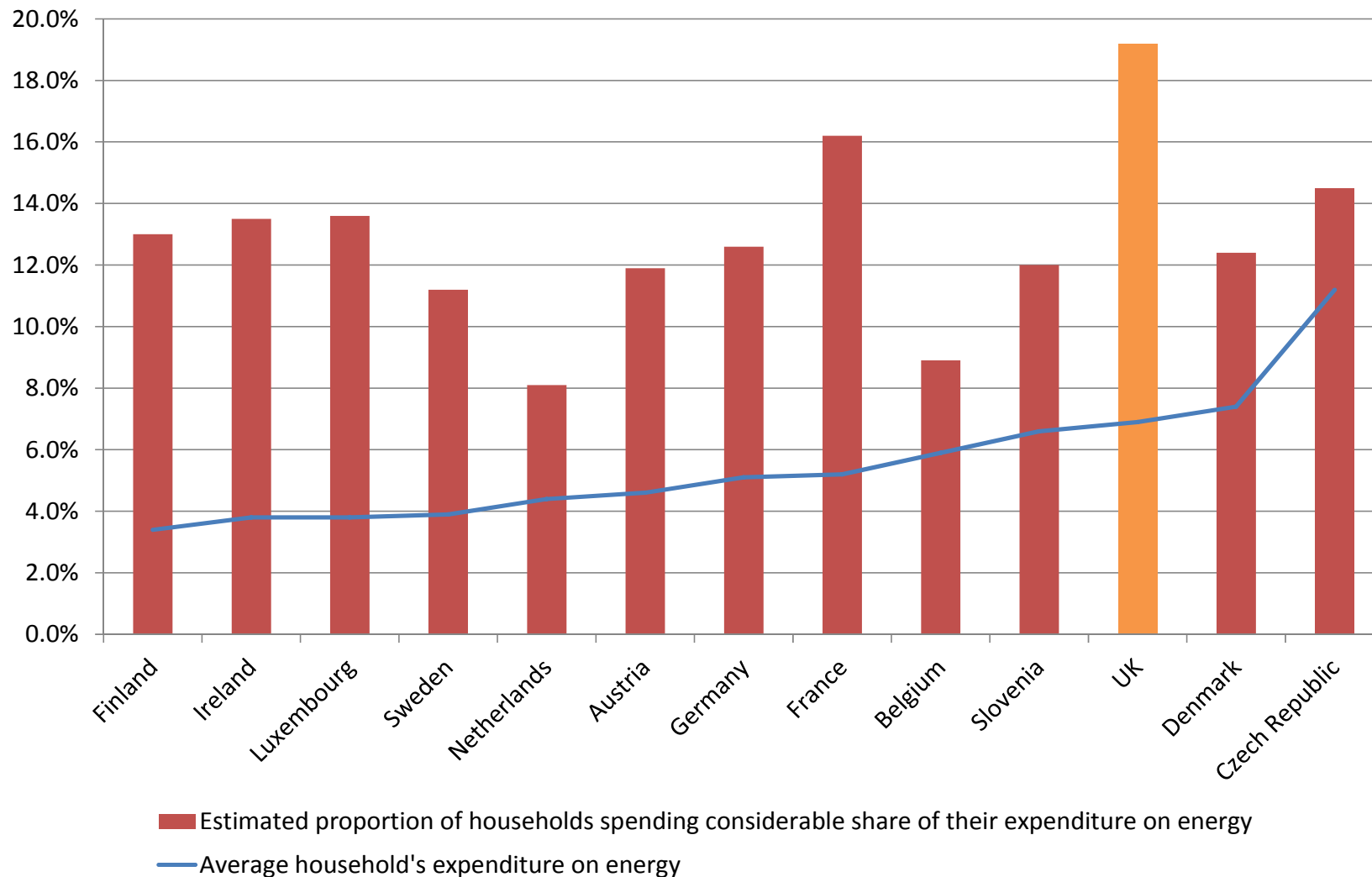
Rising Energy Bills



Energy bills have doubled since 2005



UK : bottom of Western Europe Fuel Poverty League Table





The Cause:
The woeful state of Britain's homes

UK vs Sweden

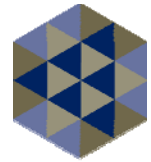


UK vs Sweden



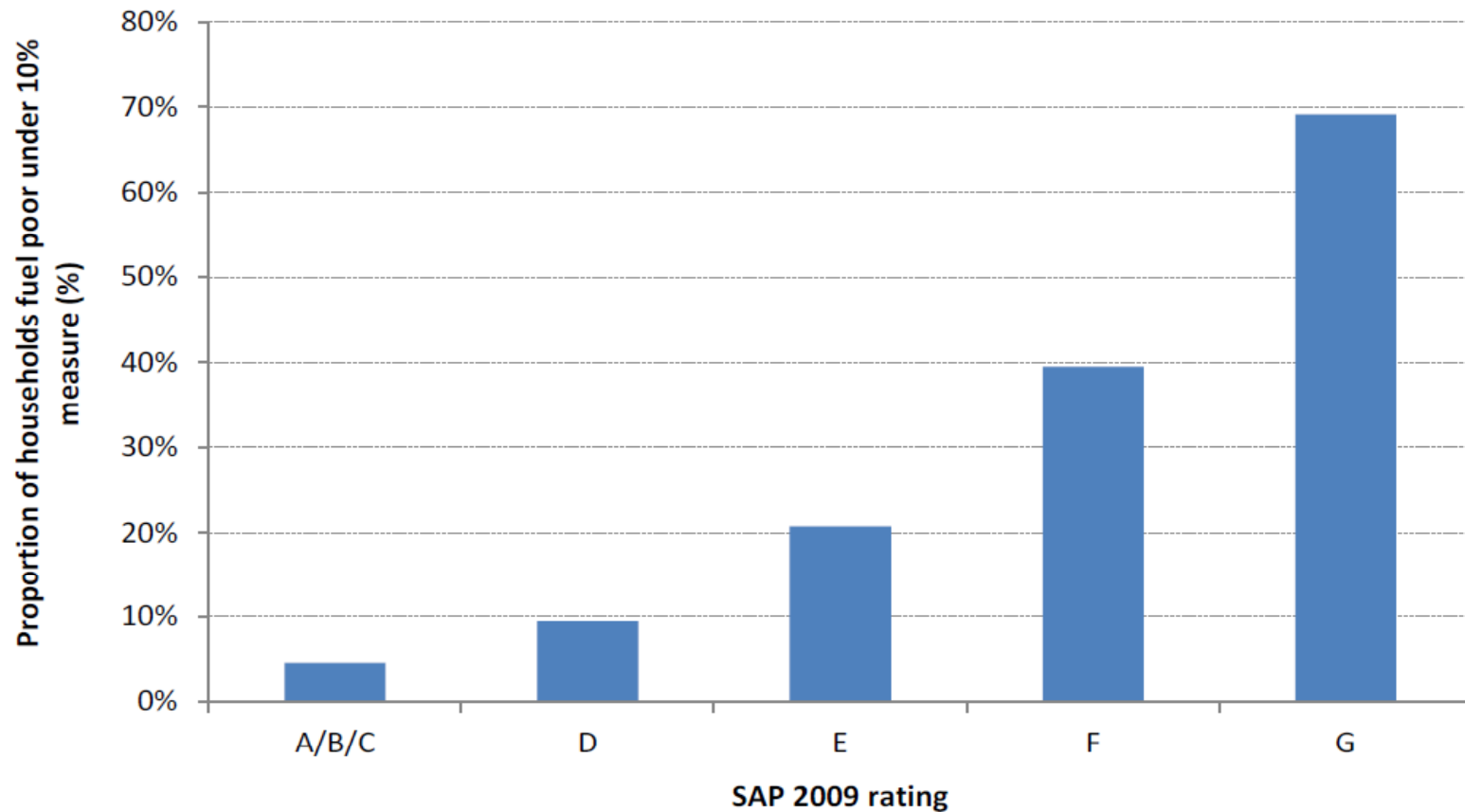
- Warmer UK winters
- Lower Energy Prices in UK
- Same Income
- 4 X more people unable to heat home in UK
- 20% higher rate of excess winter deaths in UK
- 70% more fuel poverty in UK
- Home walls leak three times more heat in UK

Poor insulation = high risk of fuel poverty

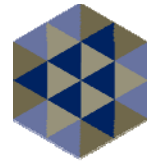


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Chart 4.1: Fuel poverty under the 10 per cent measure, by SAP rating bands, 2011



Climate change: buildings

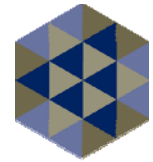


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43% of carbon emissions

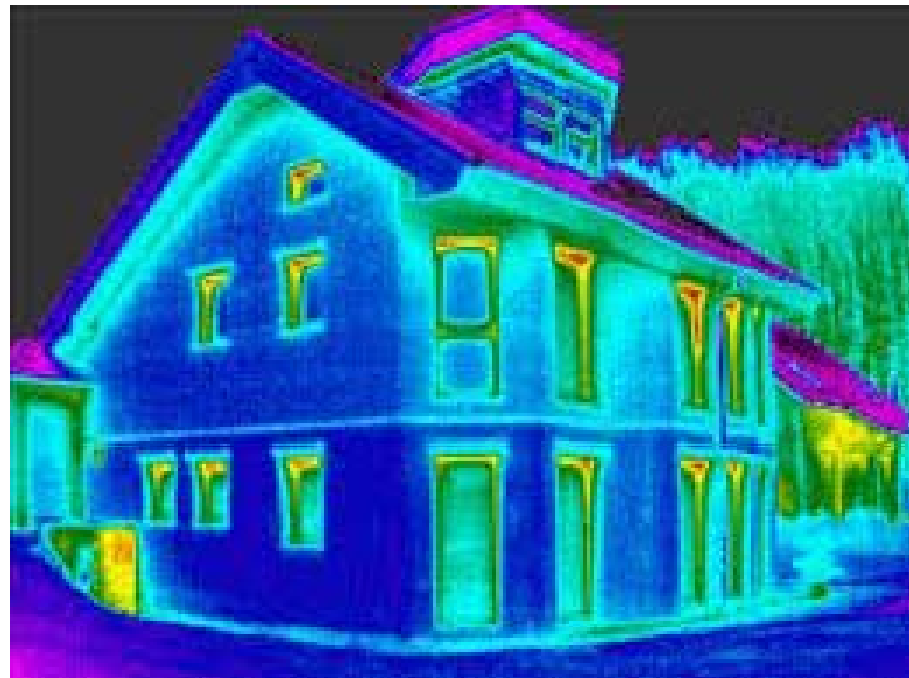


The long term solution



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Make homes super energy efficient



Green Deal – The Headlines



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theguardian | TheObserver

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Money > Home improvements

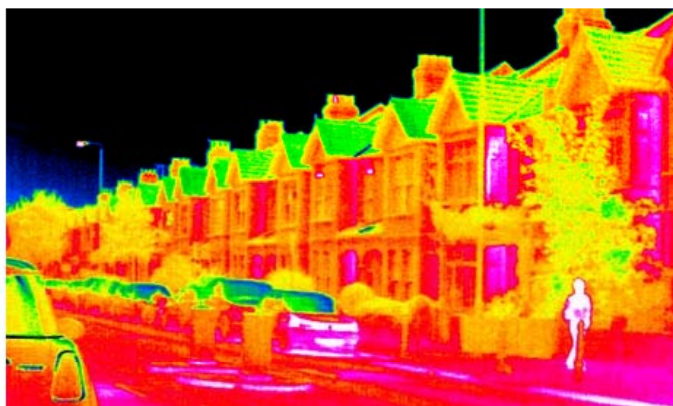
Series: Green your home

Green deal is damp squib as only 12 homes take up energy-saving offer

The government's much-vaunted energy-saving scheme has been criticised as overly complex and expensive

Harriet Meyer

The Observer, Sunday 22 September 2013



Hot air: the government's green deal offers loans for energy-efficient home

theguardian

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Environment > Green deal

Cavity wall insulations crash by 97% following green deal introduction

Figures show that only 1,138 installations were completed in April this year, down from 49,650 in April 2012

Damian Carrington

theguardian.com, Wednesday 29 May 2013 16.53 BST

 Jump to comments (76)



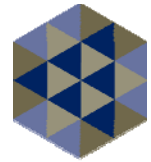
Cavity wall insulation is one of the cheapest ways of cutting energy bills and climate-

Energy Company Obligation

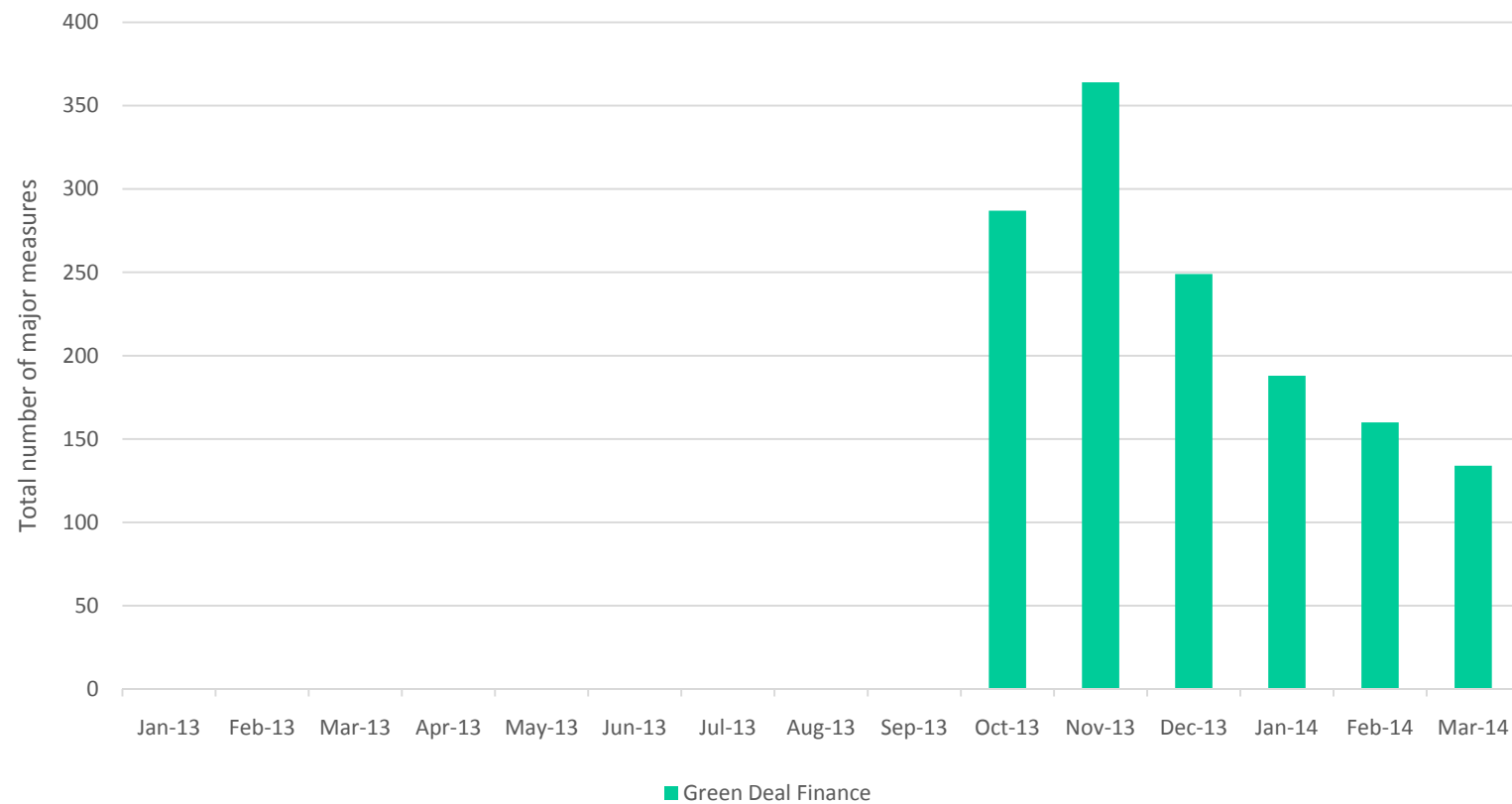


- ECO will remove up to 250,000 households from fuel poverty by 2023
- Winter 2012 / 2013 – 300,000 more households fell in to fuel poverty

EE Measures – Green Deal Finance



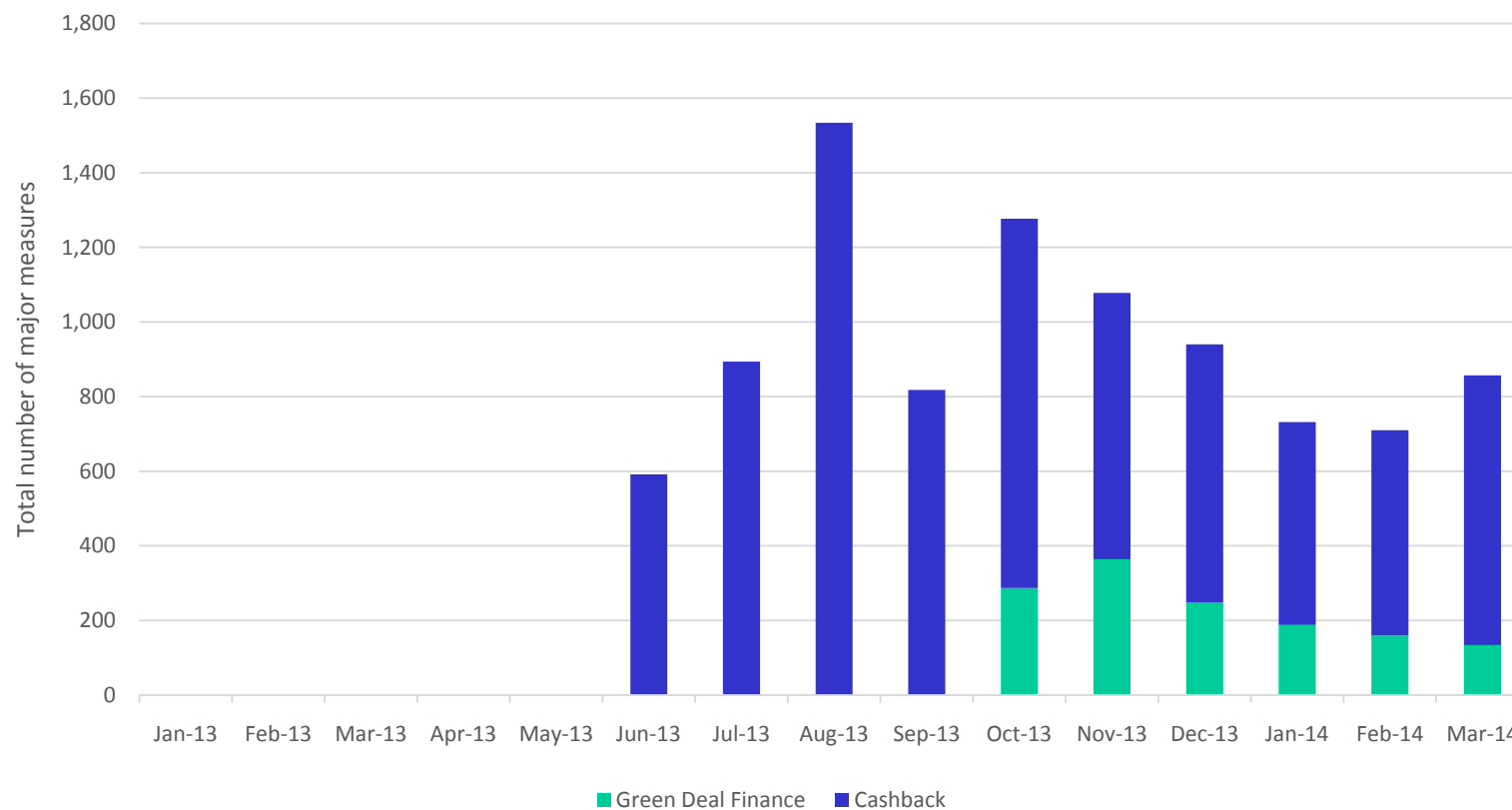
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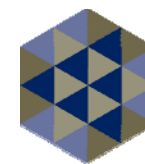
Plus Green Deal Cash-Back



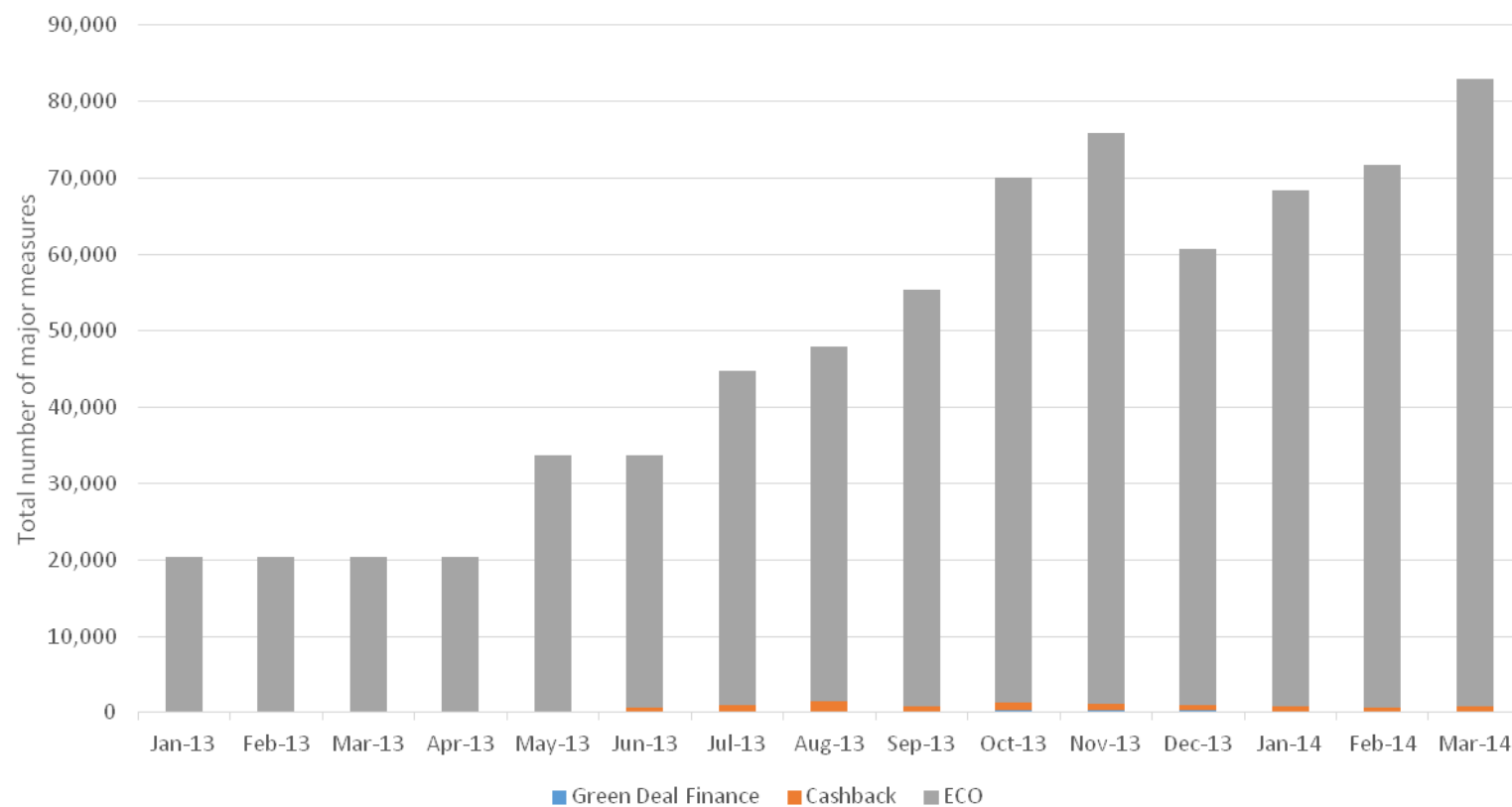
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Plus ECO



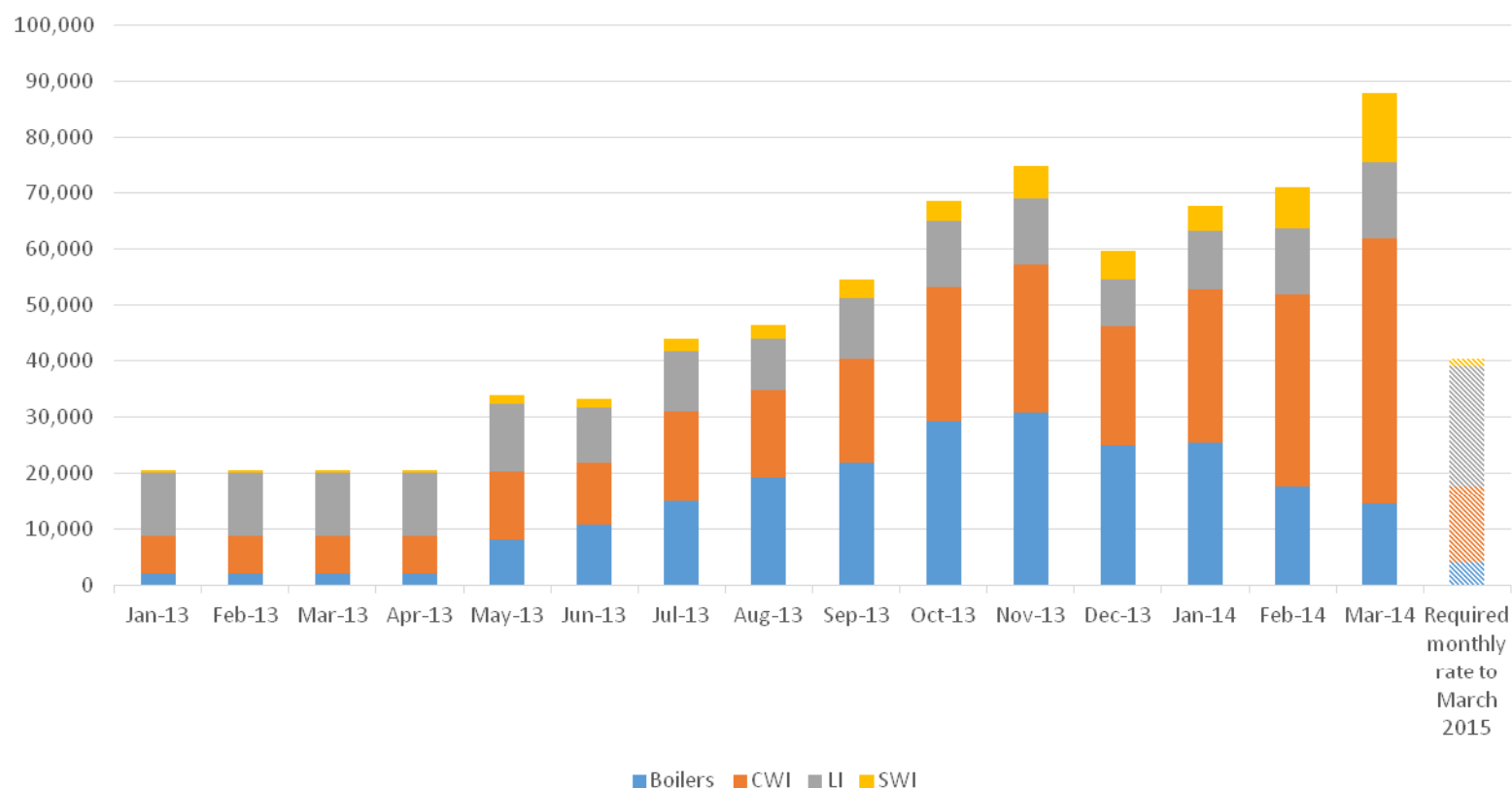
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Major measures delivered by ECO



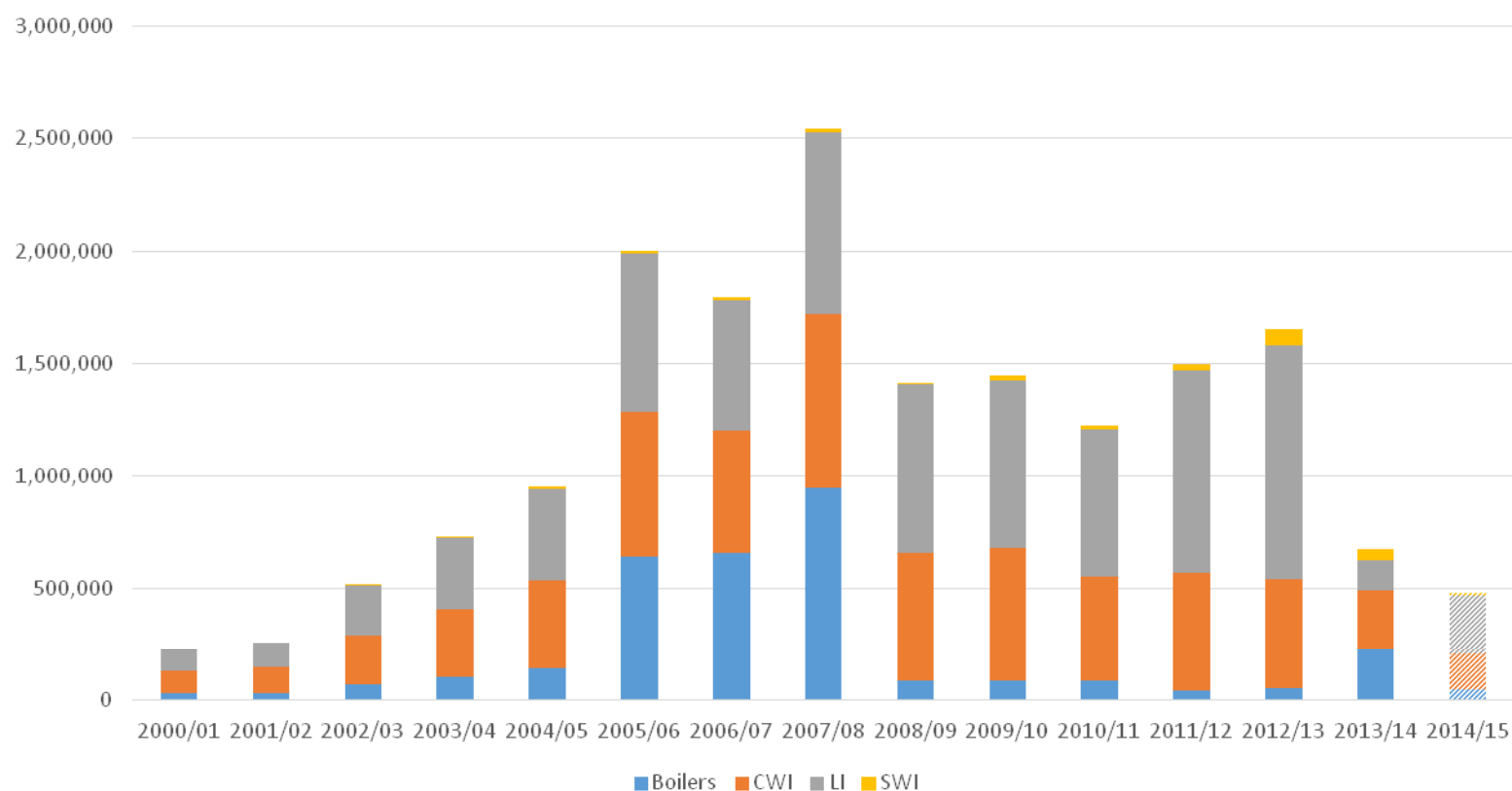
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Energy Efficiency Delivery History



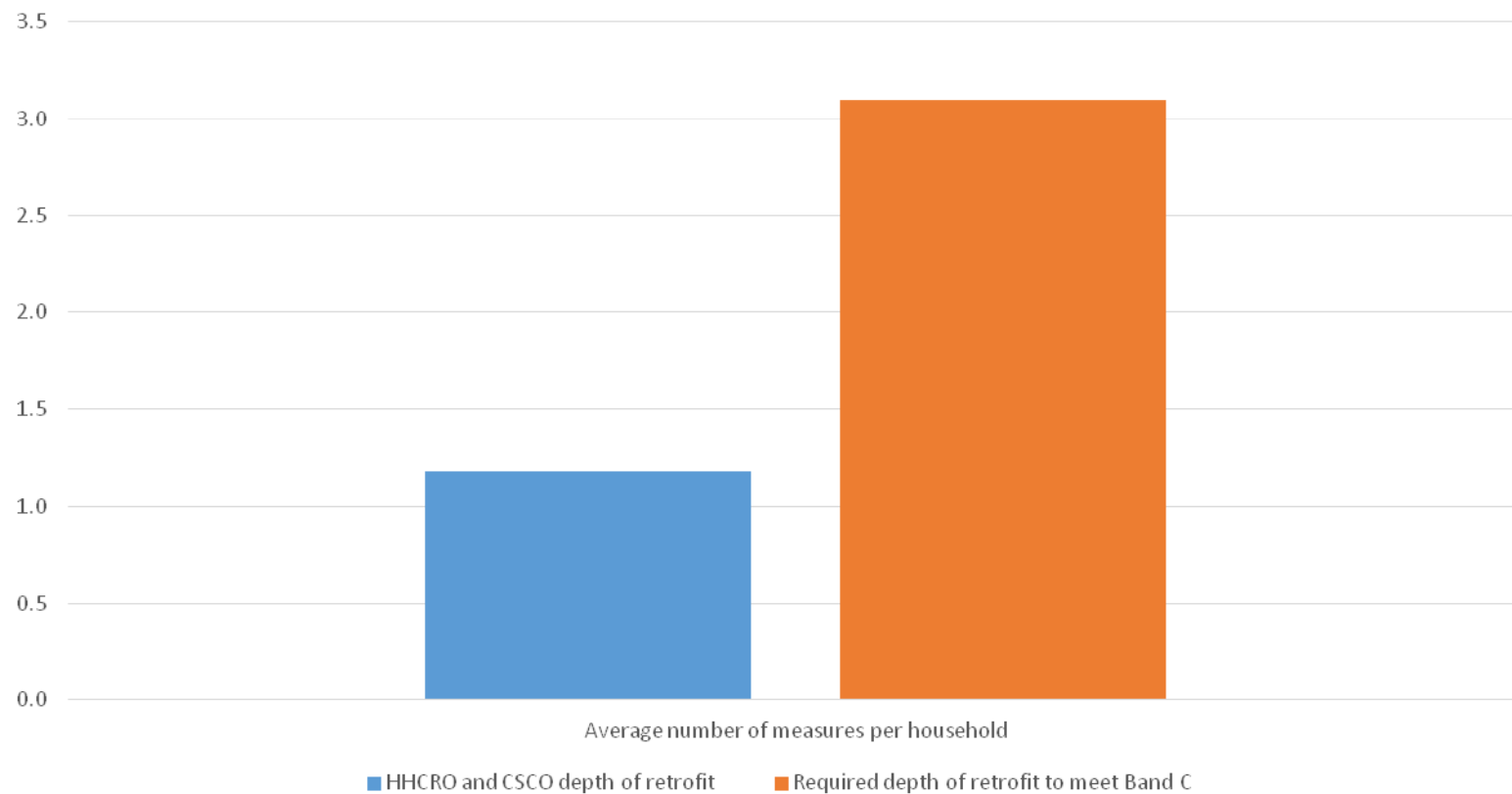
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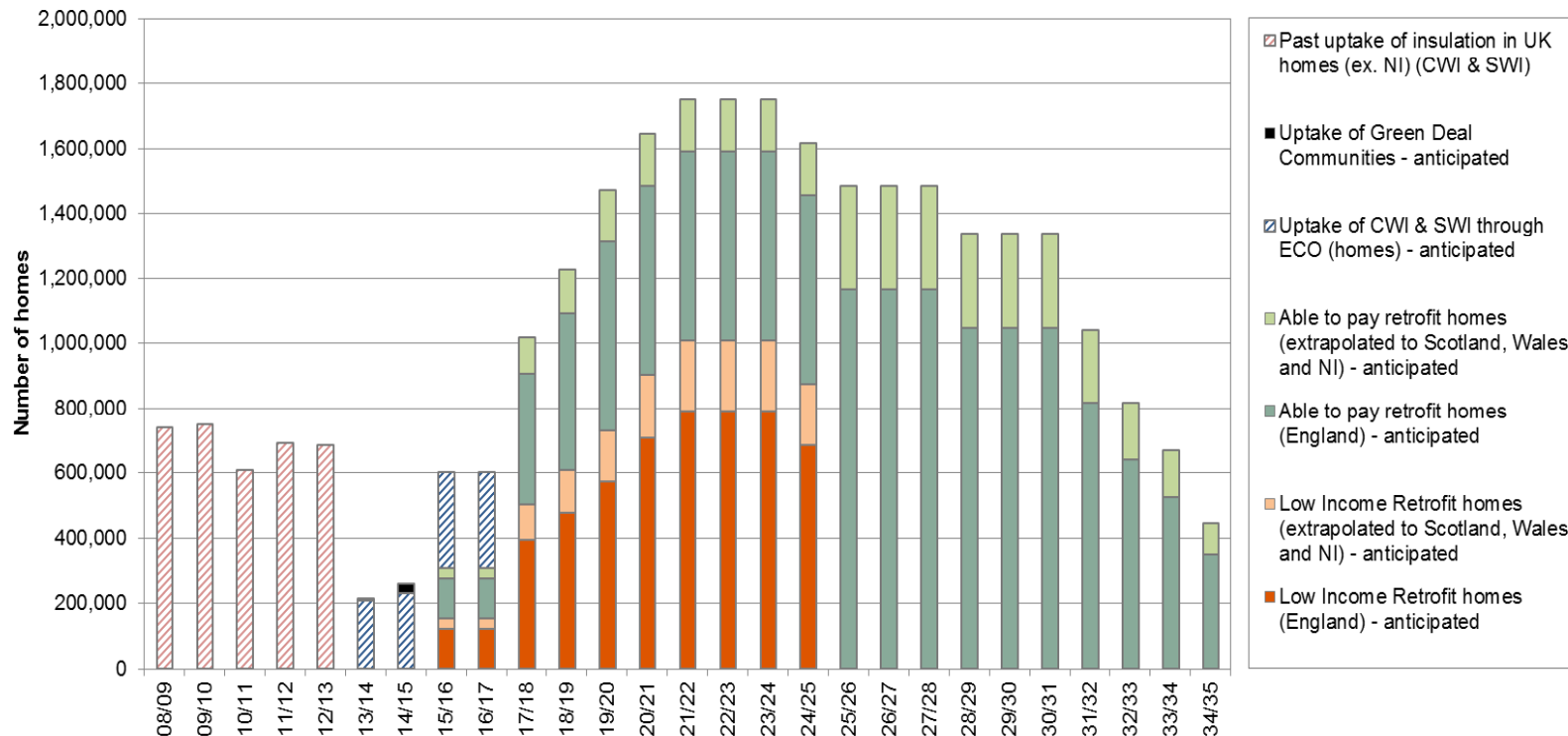
The Asks

- **Make home energy efficiency a UK infrastructure investment priority**
- **Use carbon revenues as long term funding stream**
- **2 million low income homes to EPC C by 2020 and all low income households to EPC C by 2025**
- **Street by Street delivery with LA's**
- **0% loans for able to pay**

Depth of Retrofit Required in Low Income Households



Delivering the ambition - Homes



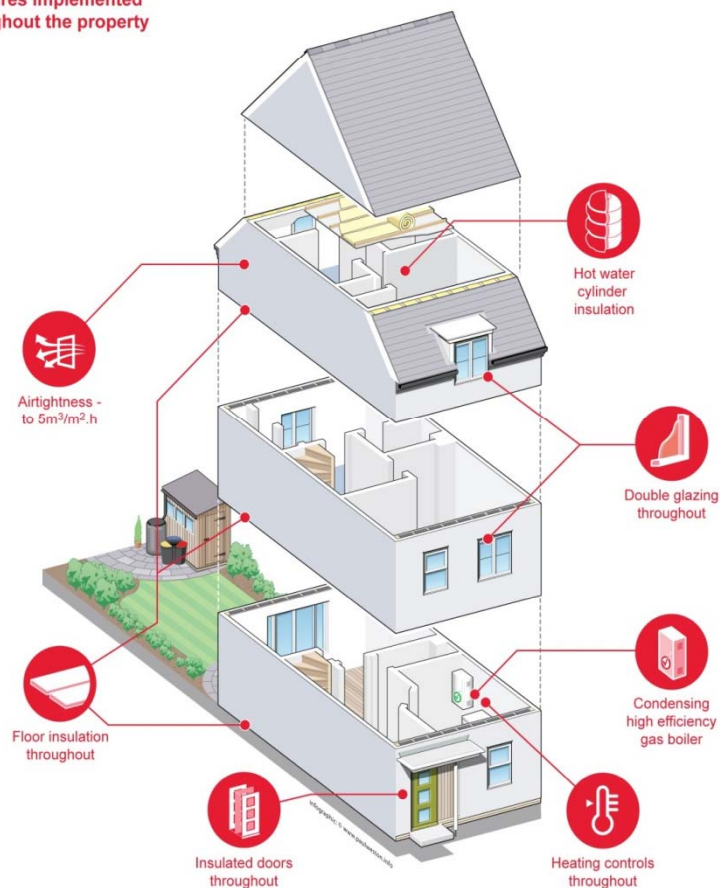
Target: Manifesto Commitments 2015



What could we achieve in a fuel poor home?

Fuel poor home
Semi detached gas heated cavity wall

Measures implemented
throughout the property



Grant	Capital costs	Annual energy bill before measures	Annual energy bill after measures
£9,000	£9,000	£1,780	£1,150
Annual bill saving	% bill saving	CO2 saving	
£630	35%	27%	



Biggest Fuel Poverty Alliance Ever Created



The Energy Bill Revolution Alliance (Signatories to the petition)



line coverage Insulate homes to save fuel and lives, urge activists

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5 December 2013 Last updated at 14:44

Autumn Statement: Living standards trump green agenda



By Roger Harrabin
Environment analyst

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propor-
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lead to
the UK
unging
23 per
eden by
Energy

blamed
"dire"
homes.

Seventy per cent more families are in fuel poverty here than in Sweden, despite energy prices being double.

More than 10 million British families live in a home with a leaking roof, damp walls or rotting windows, a rate almost twice as high as that experienced by Swedes.

A programme of super-insulating homes would save the average family household £500 on their energy bill, the group said. They campaign to make all UK homes as well-insu-

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THE INDEPENDENT

Quarter of older people worry about heating homes, says poll

ONE in every four pensioners is worried about keeping themselves warm in their homes this winter, a poll by a charity shows.

Twenty eight per cent of over-65s said their main concern for the cold months ahead is ensuring they can heat their homes, the survey found. Age suggests affected older people.

La
Powell became the fourth of the "big six" suppliers this month to increase its energy prices, following the pattern set by British Gas, SSE and npower.

The price rises have prompted fuel poverty campaigners to call on the Government to act on the "national crisis" of cold homes.

Britain is second only to Estonia among European nations for the number of peo-

ple who are struggling to pay their energy bills, research by the fuel poverty alliance Energy Bill Revolution shows.

The Age UK poll of 1,100 over-65s, also found that more than half were concerned about the rising energy costs.

The survey, marked to launch Age UK's Spread the

ous to older people's health. Chilly temperatures increase the likelihood and severity of influenza, chest infections and other respiratory problems.

The lower temperatures can also raise blood pressure, which puts people at greater risk of heart attacks and strokes, a spokesman said.

The charity has warned that 24,000 older people may not survive the cold weather.

"It's vital for older people to

keep warm inside and outside their homes in the winter," said Caroline Abrahams, charity director of Age UK.

"Being cold, even for just a short time, can be very dangerous as it increases the risk of associated health problems and preventable deaths during the winter."

through our Spread the nth campaign, we are ing on everyone to recog- the importance of staying t and well this winter, and ink about older friends, neighbours and relatives."

The charity's campaign offers a lifeline to many elderly people in the form of home visits, lunch clubs, winter benefit checks and a handyman service.

Last week, health officials said that people should keep their homes warm, with living room temperatures of 70F (21C) and bedrooms and the rest of the house heated to 65F (18C).



EXPRESS

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Home > News > UK > PM urged to act over cold homes

PM urged to act over cold homes

Fuel poverty campaigners have written to Prime Minister David Cameron demanding that party leaders act on the "national crisis" of cold homes.

Mirror

NEWS

Real news, real entertainment

FRONT PAGE NEWS SPORT 3AM TV LIFESTYLE MONEY P

News · UK News · Fuel poverty

By Sam Adams | 1 Comment | 25 Oct 2013 01:41

Cameron urged to take action to help growing army of people who cannot afford to heat their homes

Britain is second only to Estonia among European nations for the number of people who are struggling to pay their energy bills

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For god

Home » News » UK second worst for fuel poverty in EU – as groups warn over coming 'crisis'

UK second worst for fuel poverty in EU – as groups warn over coming 'crisis'

UK has higher fuel poverty problems than most of Europe

Only one European country has a higher proportion of people in fuel poverty than the UK, according to a new survey.

There are more than 5m UK households living in fuel poverty, in that they need to spend more than a tenth of their income to keep warm. And after four of the Big Six energy firms

announced winter price hikes, the problem will get worse. Neera Sharma of Barnardo's said: "1.6 million children now endure the misery of growing up in cold homes, which can affect every area of their wellbeing. It's a disgrace that so little action has been taken to bring down energy bills, but so little is being

done to stop them continuing to rise further for the UK's poorest families." The charity, along with Consumer Futures, National Energy Action and the Energy Bill Revolution, has written to the leaders of all three main parties, calling on them to act. It believes that investment in super-insulation

will end the scourge of fuel poverty and bring down energy bills. "The Government must tackle this national crisis by channelling funds raised by the carbon tax into making homes warmer," said Ms Sharma.

Simon Rees



THE INDEPENDENT

**Week of Action
February 2014**





Re-building Homes: Infrastructure Priority

Number 1 infrastructure choice

- Home Insulation 57%
- Power stations 15%
- Road building 15%
- HS2 3%
- Airports 2%
- Tube Extension 1%

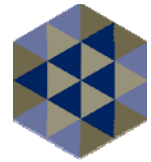
The Prize



- **An end to fuel poverty**
- **Every home helped to minimise energy bills**
- **4 times more carbon cut**
- **Greater energy security – cut gas imports by quarter**
- **100,000 jobs & a stronger economy**
- **Saving lives / reduced NHS costs**
- **Public support for the low carbon transition**



www.energybillrevolution.org



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