



Department for  
Business, Energy  
& Industrial Strategy



# Household Energy Efficiency

## Headline Release

### Executive Summary

Statistical Release:  
National Statistics

21 September 2017



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Further information on energy statistics is available at:  
<https://www.gov.uk/government/organisations/department-for-business-energy-and-industrial-strategy/about/statistics>

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<https://www.gov.uk/government/collections/household-energy-efficiency-national-statistics>

# Executive summary

## Introduction

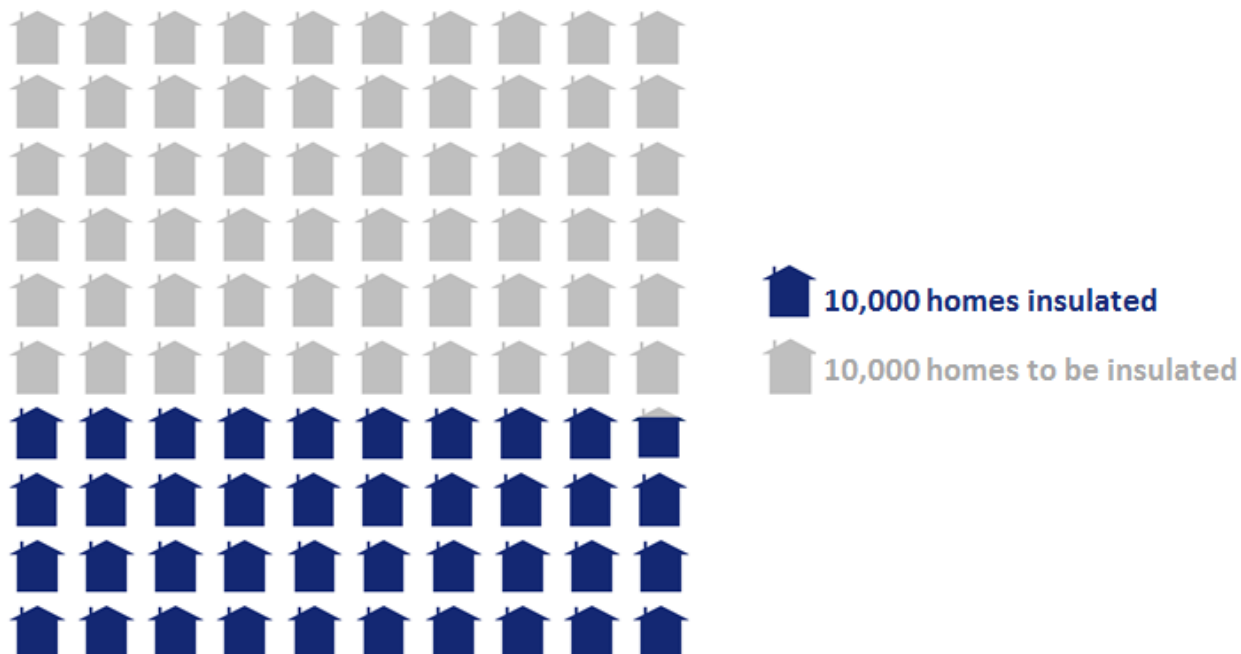
This release presents the latest statistics on the Energy Company Obligation (ECO) and the Green Deal (GD), and includes an update on the measurement against the one million homes insulated target. More detailed analysis of ECO, GD Assessments, GD Plans, the Green Deal Home Improvement Fund, Green Deal Communities programme and home insulation levels are available in the [detailed statistical report](#).

## Key points

### Energy Efficiency Measures, Households and Carbon Savings

- Around 2.3 million measures were installed in around 1.8 million properties through ECO and under the Green Deal Framework to the end of July 2017 (the latest month that we have complete data for). Around 2.2 million of these installed measures (96 per cent) were delivered through ECO (Tables 1.1 and 1.2).
- The previous Government established a target to “support low-cost measures on energy efficiency, with the goal of insulating a million more homes over the next five years, supporting our commitment to tackle fuel poverty.” In the two years and three months since the target was introduced around 399,000 homes have had at least one insulation measure installed under ECO or the GD (Infographic 1, Table 1.2.1).

**Infographic 1: Proportion of the 1 million homes insulated target achieved, up to end July 2017**

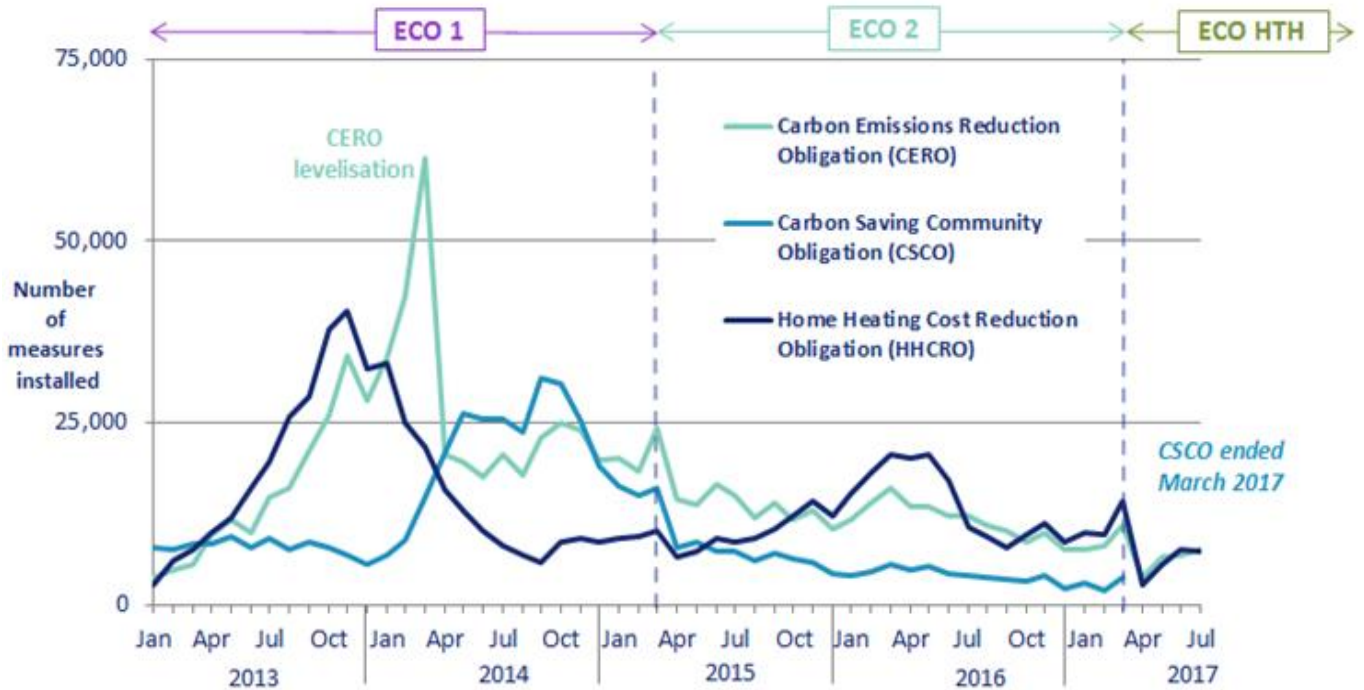


- The provisional estimated lifetime carbon savings of measures installed by the end of June 2017, under ECO (excluding Affordable Warmth), Cashback, GDHIF and GD Plans was between 31.1 – 32.6 MtCO<sub>2</sub> with provisional estimated lifetime energy savings between 123,167– 129,549 GWh (Table 1.3).

ECO Measures Installed and Households

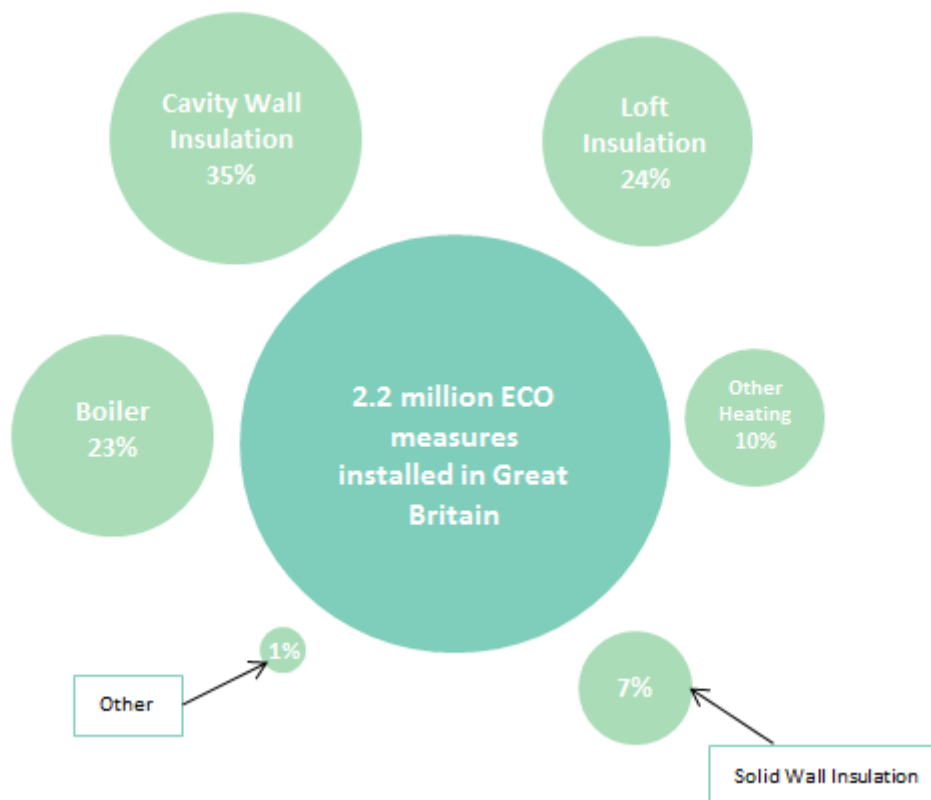
- Provisional figures show there were 2,158,725 measures installed under ECO up to the end of July 2017; with 15,196 installed in July. The first four months of ECO Help-to-Heat, have continued to see lower total measures than the previous ECO obligations but has increased each month with July delivery six per cent higher than the 14,318 installed in June 2017. Obligated suppliers have 18 months to meet their new targets. (Chart 1, Table 2.1 and 2.1a).

**Chart 1: ECO measures installed, by obligation, by month, up to end July 2017**



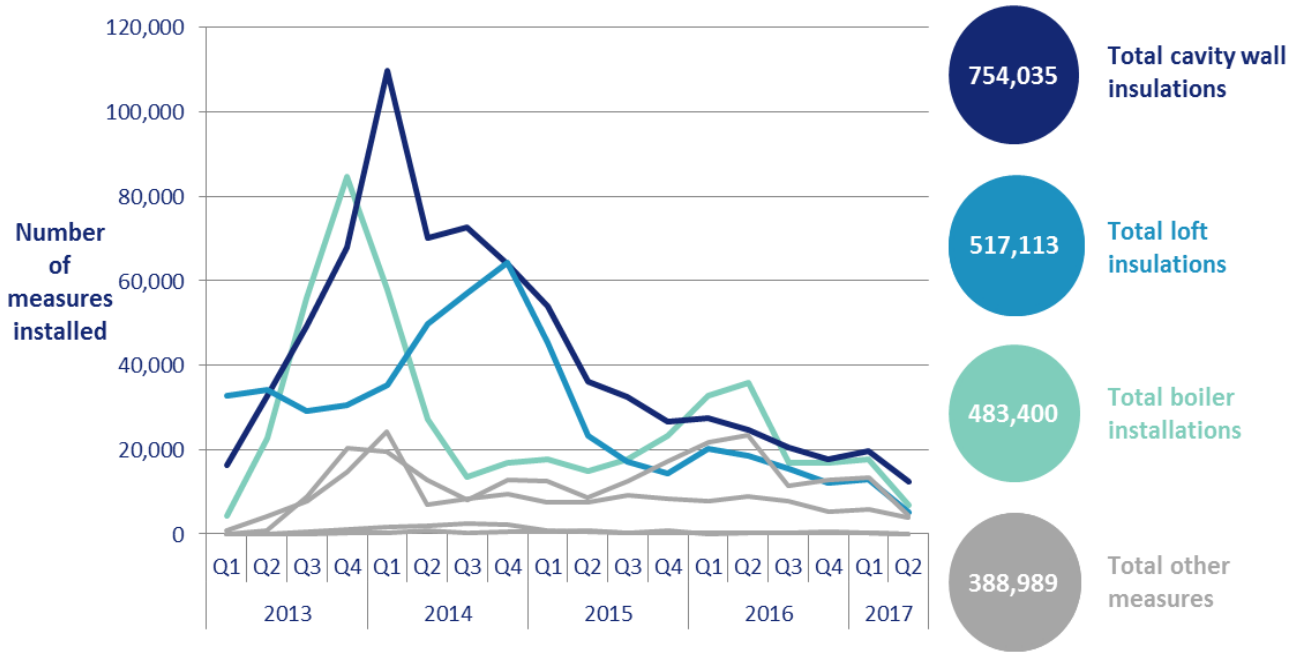
- Of all notified ECO measures installed to end of July 2017, 35 per cent were for cavity wall insulation, 24 per cent were for loft insulation and 23 per cent were for boiler upgrades. There were around 150,000 solid wall insulations which accounted for seven per cent of all measures (Table 2.1.1 & 2.1.1a).
- Of all notified ECO Help-To-Heat measures installed to end of July 2017, 38 per cent were for cavity wall insulation, 21 per cent were for boiler upgrades and 17 per cent were for loft insulation. Fourteen per cent were for 'other heating' and there were around 5,000 solid wall insulations which accounted for 11 per cent of all measures (Table 2.1.1a).

### Infographic 2: ECO measures by measure type, up to end July 2017



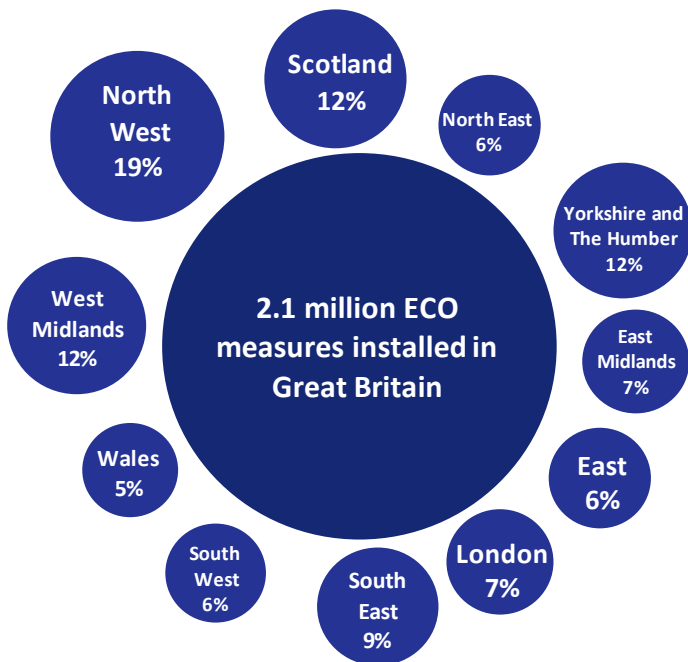
- Through ECO 1 and 2, the combination of Affordable Warmth and the Carbon Savings Community obligations have delivered around 1.2 million measures in around 946,000 low income and vulnerable households, or households in specified areas of low income, by end of March 2017 (Table 2.1.1). The Affordable Warmth obligation within ECO Help-To-Heat has delivered around 23,000 measures in around 18,000 households, by end of July 2017 - although some of these households may have also received an ECO 1 or 2 measure (Table 2.1.1a).
- Chart 2 shows that the most common measure installed in Q1 2014 was cavity wall insulation (44 per cent of all measures), which was partly due to a carbon saving score uplift in this period (i.e. “levelisation”). Loft installations peaked in Q4 2014 (38 per cent) which was partly due to the ECO amendment order (allowing cheaper measures to be installed). Boilers peaked in Q4 2013 (37 per cent) when Energy Companies were focussing on their HHCRO target (Chart 2, Table 2.1.2).

**Chart 2: ECO measures installed, by measure type, by quarter, up to end June 2017**



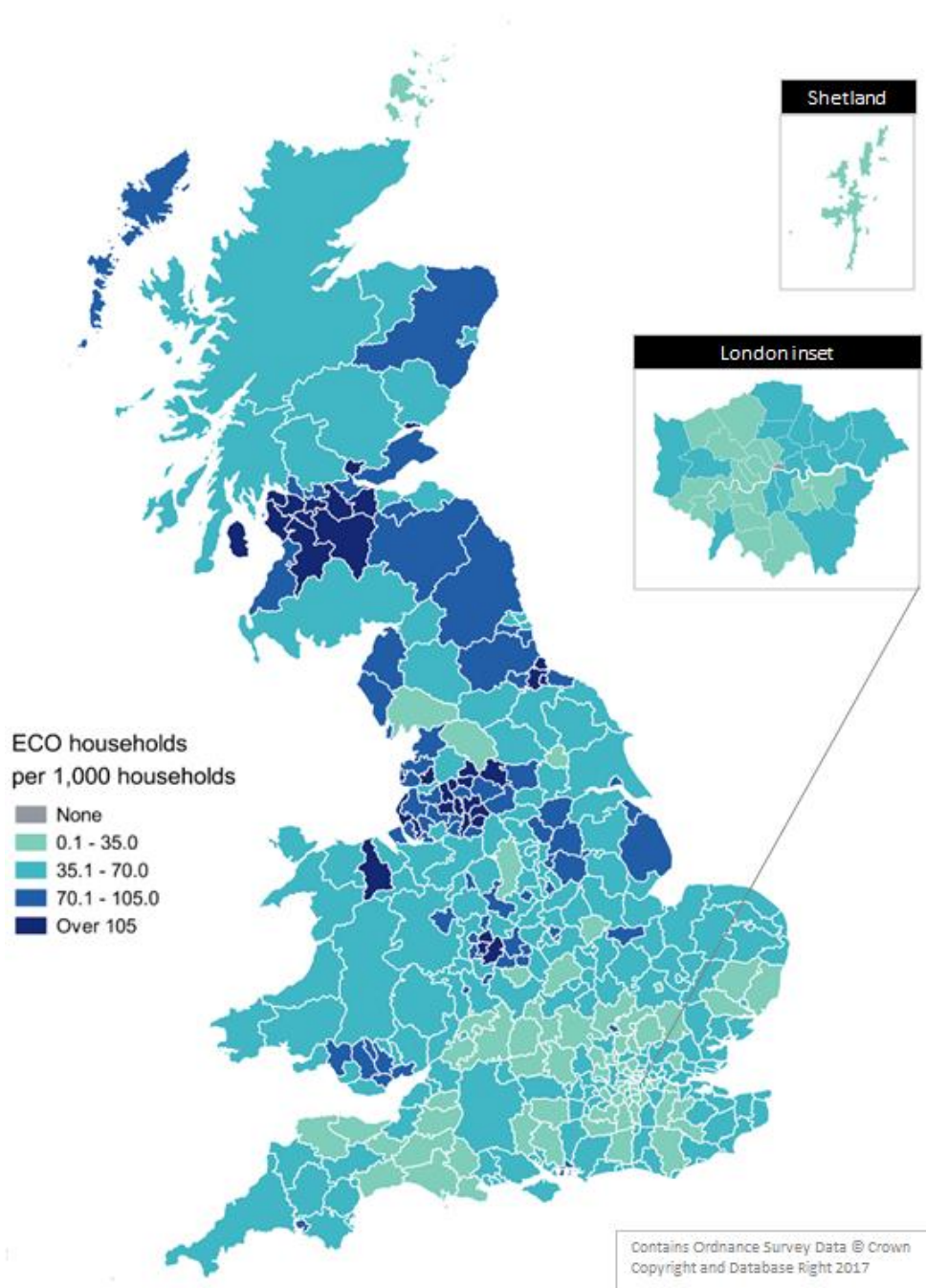
- Up to the end of June 2017, around one fifth (19 per cent) of ECO measures were in the North West (399,623), the highest in any region. 12 per cent of ECO measures were installed in Scotland (257,690) and five per cent were in Wales (114,594) (Infographic 3, Table 2.2).

**Infographic 3: ECO measures by region, up to end June 2017**



- Around six per cent of all households in Great Britain had a measure installed under ECO funding (i.e. around 64 per 1,000 households), up to the end of June 2017. The North West and North East had the highest amount with 99 and 88 households with ECO measures per 1,000 households respectively. In Scotland there were also around 89 per 1,000 households and 65 per 1,000 households in Wales. (Map 1, Table 2.2.3 and Table 2.2.4).

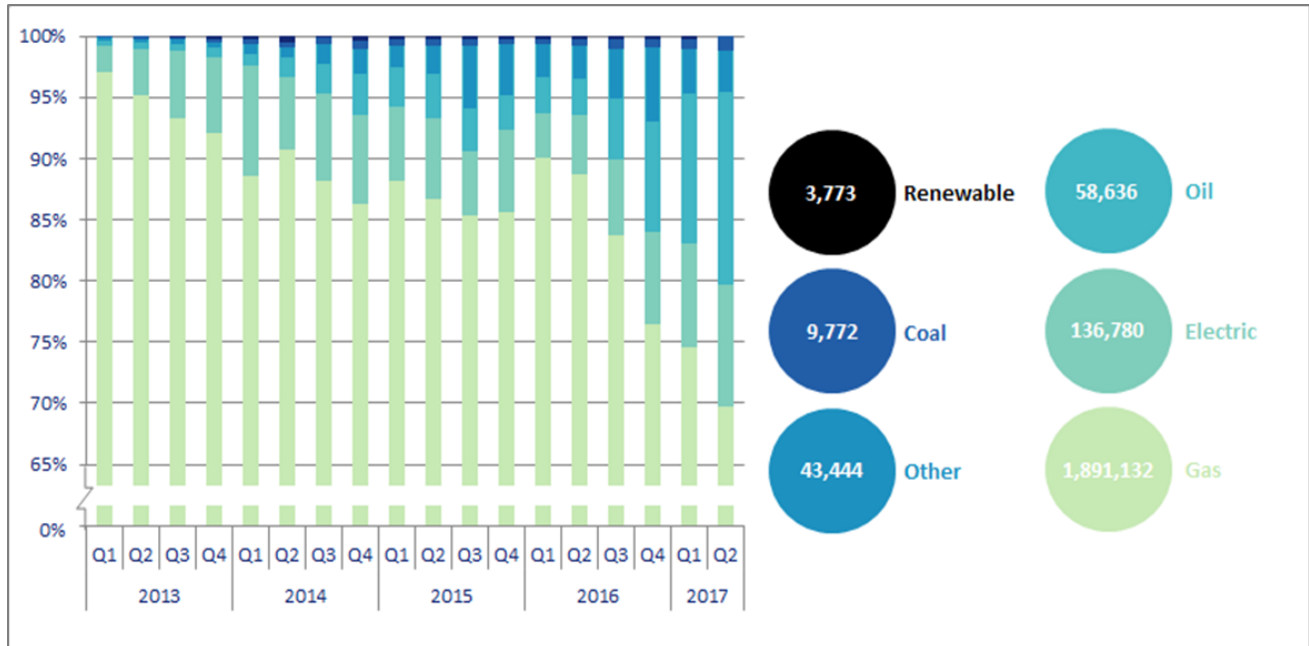
**Map 1: Households in receipt of ECO measures by Local Authority per 1,000 households, up to end June 2017**





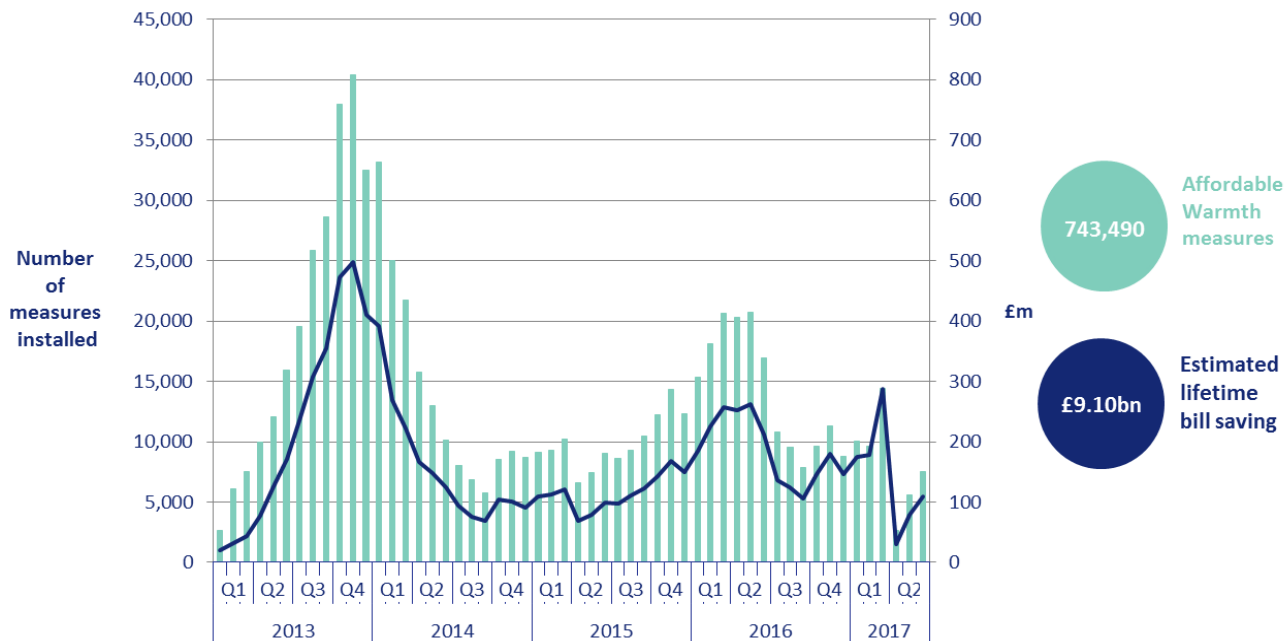
- In total, to end June 2017, around 88 per cent of ECO measures were installed in properties that used gas as their main fuel type (1,891,132 measures); however this has decreased from 97 per cent in the first quarter of ECO to 70 per cent in Q2 2017 (Chart 3, Table 2.3).

**Chart 3: ECO measures by main fuel type of property, by quarter, up to end June 2017**



- The 743,490 Affordable Warmth ECO measures installed up to the end of June 2017 are estimated to deliver £9.1bn worth of notional lifetime bill savings (Chart 4, Table 2.6).

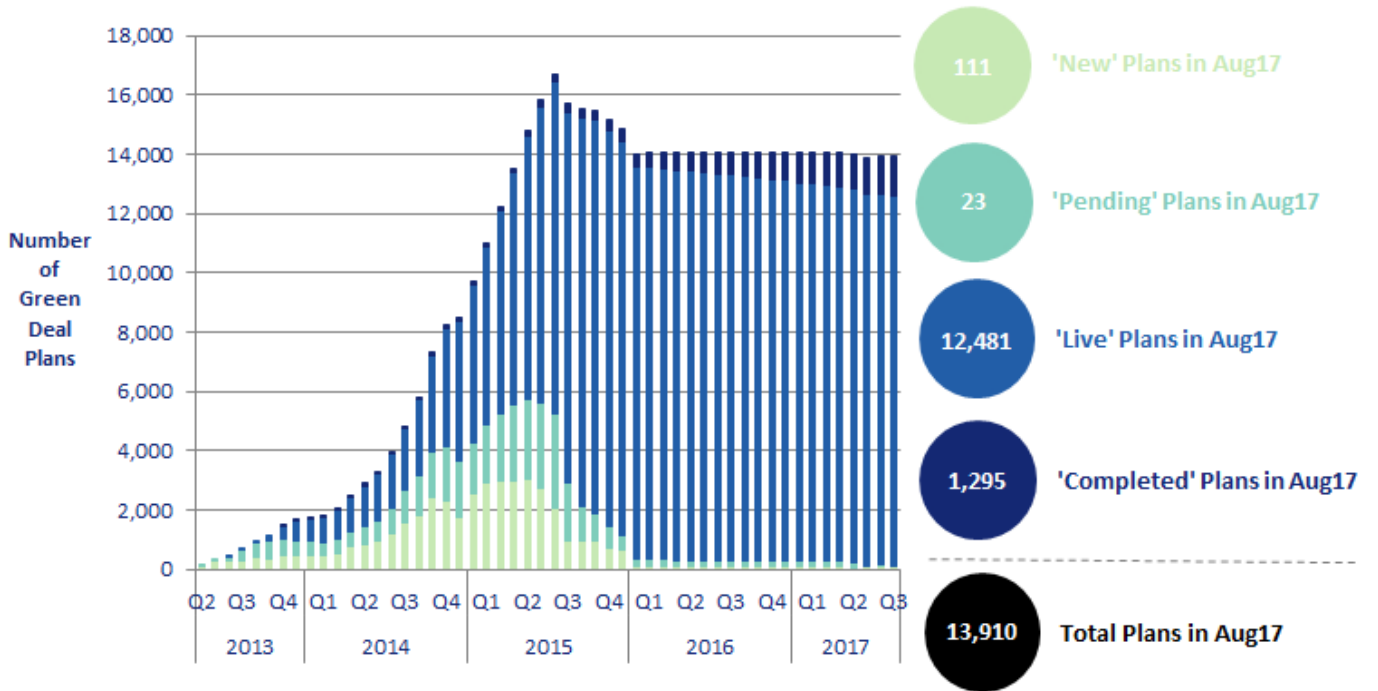
**Chart 4: Estimated lifetime bill savings for Affordable Warmth measures, by installation month, up to end June 2017**



### The Green Deal

- GD Assessments – 695,635 were lodged up to the end of August 2017. The 335 GD Assessments in August 2017 was the second lowest month on record. GD Assessments are no longer required for ECO Help-To-Heat which started in April 2017 (Table 3.1).
- GD Plans – 13,910 households had GD Plans at the end of August 2017; a decrease of 119 from the end of April 2017 and the lowest total since the end of April 2015. Of these, 111 were 'new' (quote accepted), another 23 were 'pending' (Plan signed), 12,481 were 'live' (all measures installed) and 1,295 were 'completed' (all measures installed and paid off). 90 per cent of all Plans were 'live' (Chart 5, Table 3.2).

**Chart 5: Total Domestic Green Deal Plans, by status, by month, up to end August 2017**





## National Statistics

This is a National Statistics publication.

The United Kingdom Statistics Authority has designated these statistics as National Statistics, in accordance with the Statistics and Registration Service Act 2007 and signifying compliance with the UK Statistics Authority: Code of Practice for Official Statistics. The Statistics Authority published its report on 12 June 2014:

<http://www.statisticsauthority.gov.uk/assessment/assessment-reports/index.html>.

Designation can be broadly interpreted to mean that the statistics:

- meet identified user needs
- are well explained and readily accessible
- are produced according to sound methods, and
- are managed impartially and objectively in the public interest

Once statistics have been designated as National Statistics it is a statutory requirement that the Code of Practice shall continue to be observed.

## Accompanying tables

All accompanying tables for this statistics release are located [here](#).

## Methodology Note and Background Quality Report

The methodology note and background quality report summarising the methodology used to produce estimates for this statistical series and to summarise the quality assurance of these statistics, can both be found here:

<https://www.gov.uk/government/statistics/household-energy-efficiency-statistics-methodology-note>

## Next Releases

The next headline release on the gov.uk website is planned for publication at 9.30am on **19 October 2017** and will contain the latest available information on headline ECO Help-To-Heat measures.

