



# Annex E: Data tables

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All tables are published as Microsoft Excel files on the DECC Statistics pages of the Government website. If you require these tables in a different format please contact us on the email address below.

<https://www.gov.uk/government/collections/national-energy-efficiency-data-need-framework>

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# 1. Domestic Consumption in England and Wales

## Headline tables

Headline tables at National level. Mean, median and number in sample for each property attribute and household characteristic for gas and electricity, 2005 to 2013<sup>1</sup>. Data for 2005 to 2010 cover England only, data for 2011 to 2013 cover England and Wales. Attributes and characteristics covered are:

- Floor area
- Number of bedrooms
- Property type
- Property age
- Tenure
- Household income
- Number of adults
- Region
- Output Area Classification
- Rural Urban Classification
- Fuel poverty
- Index of multiple deprivation

## Additional tables

Tables at a National level which include headline statistics and details of distributions. Gas and electricity consumption relating to each of the variables outlined above for the headline tables. Data cover 2005 to 2013. Data for 2005 to 2010 cover England only, data for 2011 to 2013 cover England and Wales. The following statistics are included:

- Mean
- Standard deviation
- 5<sup>th</sup> percentile
- 10<sup>th</sup> percentile
- Lower quartile
- Median

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<sup>1</sup> Rural Urban Classification, fuel poverty quintile and index of multiple deprivation cover 2011 to 2013 only.

- Upper quartile
- 90<sup>th</sup> percentile
- 95<sup>th</sup> percentile

## Multiple attributes by region table

A single table with multiple property attributes in each row, covering gas and electricity consumption in 2013 for England and Wales:

- Region (country for Wales)
- Property type
- Property age
- Number of bedrooms
- Gas present
- Electricity profile (Standard or Economy 7)

Statistics included are:

- Number in sample
- Mean
- Upper quartile
- Median
- Lower quartile

## NEED Table Creator

The NEED Table Creator provides users with the ability to create bespoke cross tabulations on consumption by property attributes and household characteristics, based on the data available from NEED. Two variables can be selected to be considered at once (e.g. property age and property type), with mean, median or number of observations shown in the table. There is also a choice of fuel (electricity or gas). The tool includes electricity and gas consumption data for each year from 2005 to 2013.

Following feedback from the NEED user survey, which was run at the end of December 2014, the majority of respondents felt some output could be dropped or reduced in frequency. In response the Local Authority consumption tables by property attributes and household characteristics will also only be published in alternate years (so the next publication of these tables will be in 2016). The sub-national gas and electricity consumption data down to lower layer super output areas will continue to be published annually.

## 2. Impact of measures in England and Wales

### Headline Tables

Impact of a single measure analysis includes cavity wall insulation, loft insulation, solid wall insulation and a condensing boiler installed in 2012. Impact of a combination of measures analysis includes combinations of the following measures installed: cavity wall insulation, loft insulation, solid wall insulation and a boiler.

Tables 1 and 2 include:

- Number in sample
- Median and mean percentage saving
- Median and mean kWh saving

Tables 3 and 4 include:

- Number in sample
- Percentage difference in gas consumption: mean, 5<sup>th</sup> percentile, lower quartile, median, upper quartile, 95<sup>th</sup> percentile

Also as a result of user feedback the headline savings from energy efficiency measures (loft, cavity wall, boiler, solid wall) will continue to be published every year, but breakdowns of these savings by property attributes and household characteristics (e.g. property age and tenure) will be published only in alternate years (so the next publication of these tables will be in 2016).

### 3. Solar PV installations in Great Britain

The following tables provide a breakdown of electricity consumption savings by region, property attributes and household characteristics for solar PV installations considered in the report. The following variables are included in each table:

- Number in sample
- Percentage saving: mean, 5<sup>th</sup> percentile, lower quartile, median, upper quartile, 95<sup>th</sup> percentile
- Saving (kWh): mean, median

Attributes and characteristics covered are:

- Region
- Property age
- Property type
- Number of bedrooms
- Property type and number of bedrooms
- Tenure
- Household income
- Number of adult occupants

## 4. Scotland

### Headline tables

Headline tables for Scotland. Mean, median and number in sample for each property attribute and household characteristic for gas and electricity, 2011 to 2013. Attributes and characteristics covered are:

- Number of bedrooms
- Property type
- Property age
- Tenure
- Household income
- Number of adults

### Additional tables

Additional tables for Scotland which include headline statistics and details of distributions. Gas and electricity consumption relating to each of the variables outlined above for the Scotland headline tables. Data cover 2011 to 2013. The following statistics are included:

- Mean
- Standard deviation
- 5<sup>th</sup> percentile
- 10<sup>th</sup> percentile
- Lower quartile
- Median
- Upper quartile
- 90<sup>th</sup> percentile
- 95<sup>th</sup> percentile

### Impact of measures

Impact of measures analysis includes cavity wall insulation and loft insulation installed in Scotland in 2012. The table includes:

- Number in sample
- Median and mean percentage saving
- Median and mean kWh saving

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