



Department for  
Business, Energy  
& Industrial Strategy

# ANNEX B

## Overview of Data tables

June 2018

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All tables are published as Microsoft Excel files on the BEIS Statistics pages of the Government website:

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

If you require these tables in a different format please contact us on the email address below. Any enquiries regarding this publication should also be sent to us at:

[EnergyEfficiency.Stats@decc.gsi.gov.uk](mailto:EnergyEfficiency.Stats@decc.gsi.gov.uk)

To maximise the usefulness of future publications, please provide feedback by completing the 1 minute survey linked below:

<https://www.surveymonkey.co.uk/r/TJTGZJT>

# 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 2016. Data for 2005 to 2010 cover England only, data for 2011 to 2016 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 2016. Data for 2005 to 2010 cover England only, data for 2011 to 2016 cover England and Wales.

The following statistics are included:

- Mean
- Standard deviation
- 5th percentile
- 10th percentile
- Lower quartile
- Median
- Upper quartile
- 90th percentile
- 95th percentile

### Multiple attributes table

A single table with multiple property attributes in each row, covering gas and electricity consumption in 2016 for England and Wales. Consumption figures will not be identical to published consumption figures due to rounding and the removal of disclosive combinations of categories (where the sample size is below 30). Attributes included are:

- 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

### Local Authority tables 2016

Tables with mean and median gas and electricity consumption in 2016, for each Local authority within England and Wales. Number in sample is also included. Attributes and characteristics covered are:

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

### 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 2016. Attributes and characteristics covered are:

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

- Fuel Poverty Quintile
- Index of multiple deprivation
- Region

## 2. Impact of measures in England and Wales

### Headline tables

Impact of a measures analysis assesses the impact of one of measure energy efficiency measures on consumption (gas for all measures except Solar PV). The tables use measures installed between October 2014 and September 2015.

Single measures assessed in Tables 1 and 3 are:

- Cavity wall insulation
- Loft insulation
- Solid wall insulation
- Condensing boiler
- Solar photovoltaic cells

Combinations of measures assessed in Tables 2 and 4 include different combinations of the measures listed above.

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, 5th percentile, lower quartile, median, upper quartile, 95th percentile



## Additional tables

Impact of a measures analysis assesses the impact of one of measure energy efficiency measures on consumption (gas for all measures except Solar PV). The tables use measures installed between October 2014 and September 2015. A separate file is published for each of the following installed measures:

- Cavity wall insulation
- Loft insulation
- Solid wall insulation
- Condensing boiler
- Solar photovoltaic cells

With the impact of the measure broken down in different tables by:

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

## Impact of measures time series (2005 – 2015)

Impact of a measures analysis assesses the impact of one or more measure energy efficiency measures on consumption (gas for all measures except Solar PV). Table 1 gives the mean and median for all single measures between 2005 and 2015, for all years where data is available. Table 2 gives the mean and median for all combinations measures where calculated between 2005 and 2015. Single measures assessed in Table 1 are:

- Cavity wall insulation
- Loft insulation
- Solid wall insulation
- Condensing boiler
- Solar photovoltaic cells

Table 2 includes different combinations of the measures listed above.

## 3. 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 2016. Attributes and characteristics covered are:

- Number of bedrooms
- Property type
- Property age
- Tenure
- Household income
- Number of adults occupants
- Floor area

### 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 2016. The following statistics are included:

- Mean
- Standard deviation
- 5th percentile
- 10th percentile
- Lower quartile
- Median
- Upper quartile
- 90th percentile

- 95th percentile

## Headline table – impact of measures

Impact of a measures analysis assesses the impact of one of measure energy efficiency measures on consumption (gas for all measures except Solar PV). The tables use measures installed between October 2014 and September 2015.

The table includes:

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

Single measures assessed in the table are:

- Cavity wall insulation
- Loft insulation
- Solid wall insulation
- Condensing boiler
- Solar photovoltaic cells