



Department for Levelling Up,
Housing & Communities

Uses of data from Energy Performance of Buildings Certificates (EPCs)

Department for Levelling Up, Housing and Communities (DLUHC)
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Overview

Contents:

- EPCs
- Data quality
- Data development
- Data usage



What is an EPC?

An Energy Performance Certificate (EPC) rates how energy efficient a building is using grades A to G (A most efficient or A+ for non-domestic)

An EPC contains a list of recommendations of improvements an owner can make to their house to improve their EPC rating with associated costs.

EPCs are required when a building is:

- Rented/sold (existing)
- Newly constructed (new) – includes change of use

HM Government

Energy Performance Certificate

Dwelling type: Semi-detached house **Reference number:** [REDACTED]
Date of assessment: 06 January 2016 **Type of assessment:** RdSAP, existing dwelling
Date of certificate: 07 January 2016 **Total floor area:** 78 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 3,261
Over 3 years you could save	£ 1,440

Estimated energy costs of this home

	Current costs	Potential costs	Potential future savings
Lighting	£ 312 over 3 years	£ 158 over 3 years	<div style="background-color: #4f7942; color: white; padding: 10px; border-radius: 50%; display: inline-block;"> You could save £ 1,440 over 3 years </div>
Heating	£ 2,550 over 3 years	£ 1,413 over 3 years	
Hot Water	£ 399 over 3 years	£ 252 over 3 years	
Totals	£ 3,261	£ 1,821	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

<p>Very energy efficient • lower running costs</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="background-color: #4f7942; color: white; padding: 2px;">(92 plus) A</p> <p style="background-color: #7c9a42; color: white; padding: 2px;">(81-91) B</p> <p style="background-color: #9c9c42; color: white; padding: 2px;">(69-80) C</p> <p style="background-color: #c09c42; color: white; padding: 2px;">(55-68) D</p> <p style="background-color: #e09c42; color: white; padding: 2px;">(39-54) E</p> <p style="background-color: #f09c42; color: white; padding: 2px;">(21-38) F</p> <p style="background-color: #d9534f; color: white; padding: 2px;">(1-20) G</p> <p style="font-size: small;">Not energy efficient • higher running costs</p> </div> <div style="width: 5%; text-align: center;"> <p>Current</p> <p style="font-size: 2em;">54</p> </div> <div style="width: 50%; text-align: center;"> <p>Potential</p> <p style="font-size: 2em;">84</p> </div> </div>	<p>The graph shows the current energy efficiency of your home.</p> <p>The higher the rating the lower your fuel bills are likely to be.</p> <p>The potential rating shows the effect of undertaking the recommendations on page 3.</p> <p>The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).</p> <p>The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.</p>
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Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£ 1,017
2 Floor insulation (suspended floor)	£800 - £1,200	£ 153
3 Low energy lighting for all fixed outlets	£50	£ 132

See page 3 for a full list of recommendations for this property.

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call 0300 123 1234 (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.



What DLUHC publish – for England and Wales

1. Quarterly Energy Performance of Building Certificates statistics (EPC stats)

- National and regional level

2. Weekly Energy Performance of Building Certificates statistics (EPC stats)

- National and regional level

3. Open Data Communities (ODC)

- Address level

Official Statistics

Energy Performance of Buildings Certificates Statistical Release: October to December 2022 England and Wales

Published 26 January 2023

Applies to England and Wales

Experimental Statistics

Weekly Energy Performance Building Certificates (EPC) in England and Wales split by region, from w/c 25 February 2019 to w/c 28 March 2022

Responsible Statistician: Alysha Gill
Department for Levelling Up, Housing and Communities: London
EPCStats@levellingup.gov.uk
Published: 4 April 2022
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Energy Performance of Buildings Data: England and Wales

Access to Energy Performance Certificates and Display Energy Certificates data for buildings in England and Wales. Searchable, browsable and downloadable individually or in bulk. [Register now for access to the data.](#)



For householders

Check the data for your property



For researchers

An indication of energy use



For business

Create new products and services

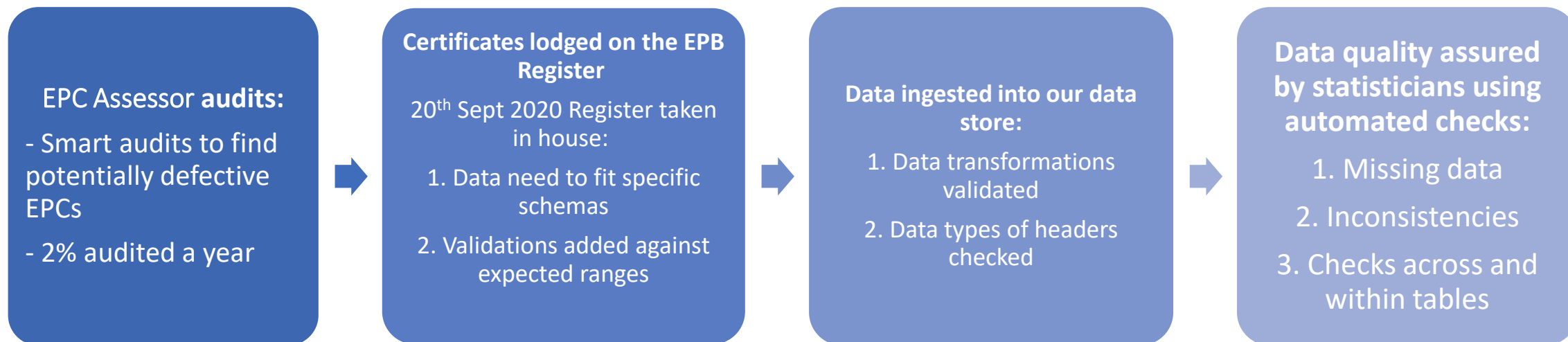


For policymakers

Make data driven decisions



Data quality





Data Development Work

- Attaching Unique Property Reference Numbers (UPRNs)
- User engagement
- Attitudinal investigations
- EPC consultation

And many plans in the works...



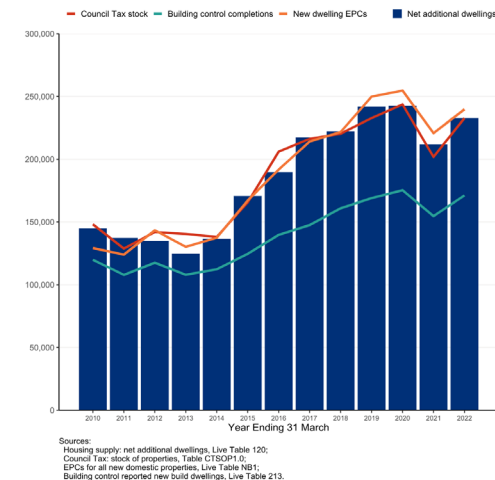
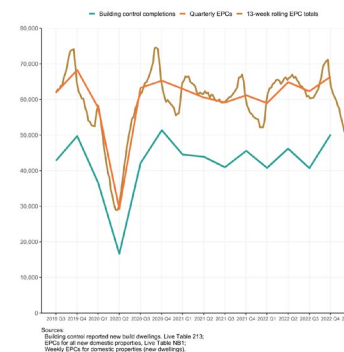
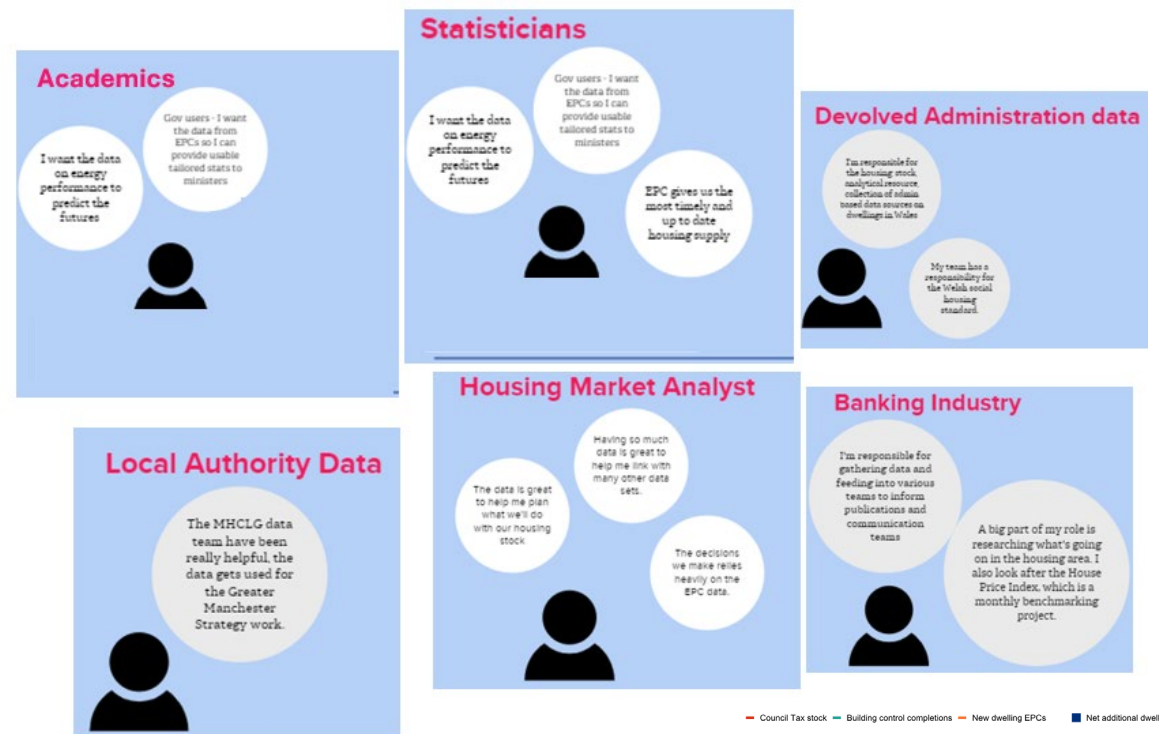
Who uses the data

Within DLUHC:

- Housing Supply statistics
- Future homes standard
- Dashboards monitoring Housing Supply
- DLUHC policy on climate change and net zero
- EPC action plan

Outside of DLUHC:

- Office for National Statistics (ONS)
- Department for Energy Security and Net Zero
- Homes England
- Banking industry
- Housing market analysts
- Local Authorities
- Academics





Data Linking Work

Office for National Statistics (ONS) have several projects using linked EPC data

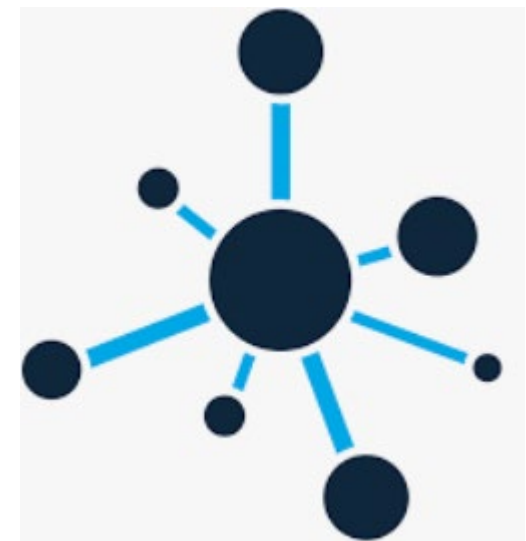
- Data linking to the COVID infection survey
- Integrated Data Service (IDS)
- Representativeness Project

Academic projects

- University College London
- University of Graz
- Resolution Foundation

Future projects

- Validation work using Land Registry data
- Matching English Housing Survey data with EPC data





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Thank you!

Feel free to contact either Claire Smith or Poppy Azmi

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