

Warm Homes: Local Grant (WH:LG)

Appendix 3 – Eligible Homes and Delivery Modelling

1. Data sources

Data type	Description
LENZA	LENZA is a geospatial planning platform used to create LEAPS and Local Heat and Energy Efficiency Strategies Data has been obtained and analysed using the LENZA tool from Scottish and Southern Electricity Networks.
EPC	Opensource EPC data has been used from https://epc.opendatacommunities.org/ , removing any EPC certificates that are older than 10 years and therefore no longer valid
ArcGIS Pro	Mapping software for managing and analysing spatial data
IMD	Income Decile data from https://www.gov.uk/government/statistics/english-indices-of-deprivation-2019 .
Income data	Our current delivery partner for HUG2, EDF Energy, has provided anonymised income data for their customers in Wiltshire.
Costings	We have used costings obtained from 2024 retrofit procurement with an uplift of 5% applied (BCIS).
Office of National Statistics	GIS published by Historic England https://www.arcgis.com/apps/mapviewer/index.html?url=https://services-eu1.arcgis.com/ZOdPfBS3aqqDYPUQ/ArcGIS/rest/services

Table 1. Data sources used to model eligibility and costings for the WH:LG project

2. Profiling eligible households

Tenure, income and energy efficiency data relevant to the WH:LG scheme eligibility, was used to model the number of properties expected in Wiltshire:

- EPC rating of D and below
- Income of less than £36K
- Tenure (owner occupied or private rented sector)
- Property archetype
- Measures costing data

3. Summary of property eligibility for WH:LG in Wiltshire

Category	Total number of eligible homes
IMD (pathway 1)	1,776
Low income (pathway 2 & 3)	11,763
Total	13,539

Table 2. Wiltshire properties potentially eligible for Warm Homes: Local Grant.

Data modelling indicates that there are approximately 13,539 households eligible for WH:LG funded improvements in Wiltshire. Section 4 below provides a breakdown of the data used to model the total number of grant eligible homes in Wiltshire.

4. Breakdown of property eligibility in Wiltshire

EPC eligible properties

Recent EPC data shows that 53% of homes in Wiltshire have an EPC rating of D-G. There are also a further 16,621 homes in Wiltshire that have never had an EPC certificate, over 8,800 of these are estimated to be EPC D-G and therefore potentially eligible for the grant.

EPC band	Number of homes	%
D	38,420	62
E	17,493	28
F	5,186	8
G	1,338	2
Total	62,437	53%

Table 3. The number and percentage of Wiltshire owner occupied or private rented homes within the eligible EPC bands

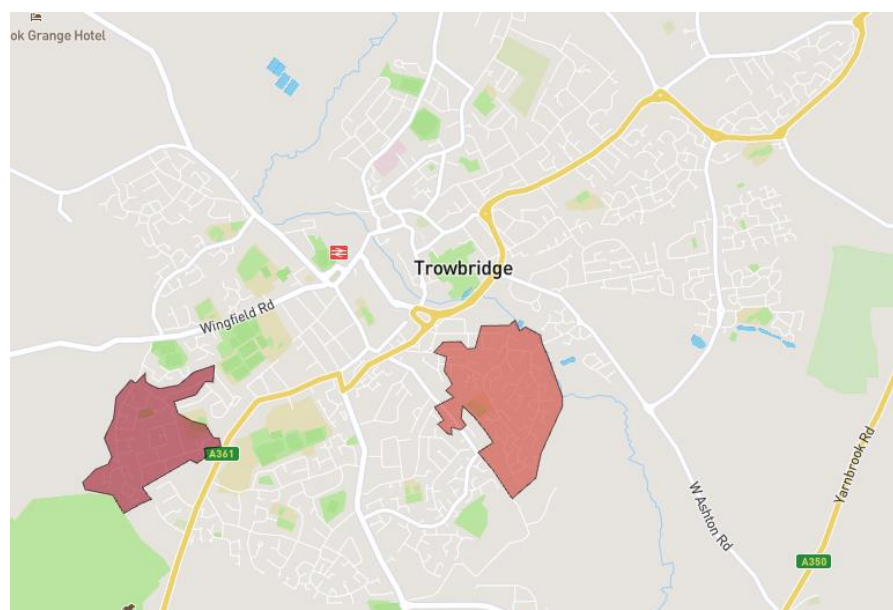
IMD & EPC & tenure eligible households

A more detailed breakdown of these eligible EPC bands can be seen in Table 4.

Category	Number
Total homes in Wiltshire EPC D-G	74,229
EPC D_G and owner occupied / private rented	62,437
Total homes in IMD Income Decile 1-2 areas	6,937
EPC D-G and IMD Decile 1-2	1,776

Table 4. Data on domestic properties in Wiltshire, using EPC and LENZA data

There are a total of 1,776 properties in Wiltshire that have an EPC rating of D-G which also lie within an IMD Income Decile of 1 or 2.



Map 1. IMD income decile 1-2 areas in Trowbridge (Wiltshire), created using the LENZA tool

Map 1 shows an example of how the LENZA tool can be used to map and analyse data for properties within Wiltshire, in combination with socio-economic data such as Indices of Multiple Deprivation.



Map 2. Potentially eligible properties in Wiltshire, EPD rated D-G and Indices of Multiple Deprivation (IMD) income decile areas 1-2, created using the LENZA tool.

Income eligible households

Category	Customer volumes	% against total Wiltshire customers
Total EDF supplied Wiltshire customers	16,095	100%
EPC D & under	9,141	57%
EPC D & under + income under 30K	2,064	13%
EPC D & under + income under 36K	2,935	18.24%
EPC D & under + income under 40K	3,806	24%

Table 5. Property and income information of EDF customers in Wiltshire

Category	Customer volumes	% against total Wiltshire customers
All 0-30k	4,199	26%
All 0-40k	7,476	46%

Table 6. Income information of EDF customers in Wiltshire

The above tables show both property and income data for EDF Energy's existing customers in Wiltshire. Over 2,000 households currently live in a property with an EPC rating of D-G and a gross

annual income of below £30k, making them potentially eligible for the grant. In addition, there are a further 3,806 households known to have an income level below £40k, who may also be eligible for the Warm Homes: Local Grant.

5. Profiling eligible property architypes

Category	Of all known homes in Wiltshire with an EPC D-G
Off gas	48%
On gas	52%
Average total floor area	110.85m ²
Average with a total floor area above the UK average of 96m ²	41%
Average total floor area (off gas)	121m ²
Average total floor area (on gas)	102m ²
Cavity wall	66%
Solid wall	34%
Located within a conservation area	21%

Table 7. Property characteristics of Wiltshire housing stock, source: Opensource EPC data

Complex-to-Decarbonise (CTD) homes have been identified following the CTD Identification Framework. In Wiltshire these property types are common in rural off-gas areas where homes also have large floor areas. 41% of Wiltshire properties with an EPC D-G have a total floor area which is considerably higher than the UK average. This is more prevalent in off gas areas where the average floor area is 121m² and which also account for 76% of EPC D-G properties.