

What is the UK Power Networks Data Dictionary?



You can use the “Contact us” function on Your Local Net Zero Hub to book a meeting with a Net Zero associate to discuss this process. Or email us at LAEP@ukpowernetworks.co.uk

UK Power Networks Data Dictionary

The data dictionary is a document pack intended to guide you in preparing your Net Zero forecast data for submission to UK Power Networks.

It contains documents such as a data dictionary questionnaire, template data documents, and definition files to help you compile data in the correct format.

The pack also includes examples in Microsoft Excel format, which contains the detailed specification for the format of documents to be sent over.

The Data Dictionary was informed thanks to interviews with LAEP practitioners

ARUP

CATAPULT
Energy Systems

 **ERM**

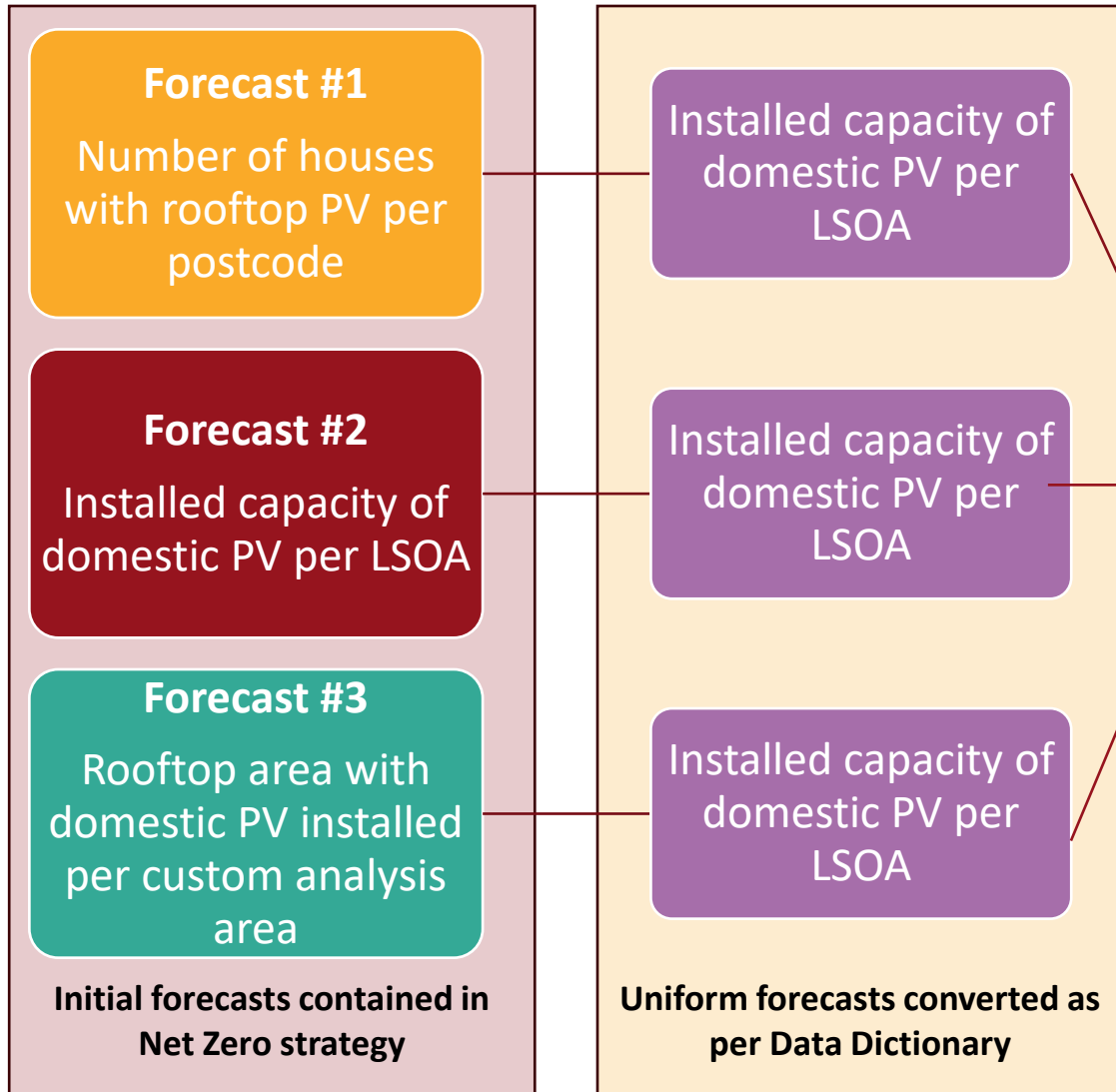

RICARDO


BURO HAPPOLD



CITY SCIENCE
endless possibilities

How does it work?



Standardisation is key

There are a range of local authorities and consultancies operating across our licence area. Many are developing Net Zero strategies including forecasts of low carbon technologies. These forecasts range in the technologies considered, units of measurement, geographical area, and timeframe.

In order for UK Power Networks to analyse these forecasts consistently and use them as an input into our network investment strategy, they must be converted into a standardised format.

Consistent analysis to inform UKPN network investment

In addition to sending data to be included in our network investment plans. We will work with you to understand the “confidence” of these plans to ensure our shared customers/residents receive a cost-effective and fit for purpose energy network



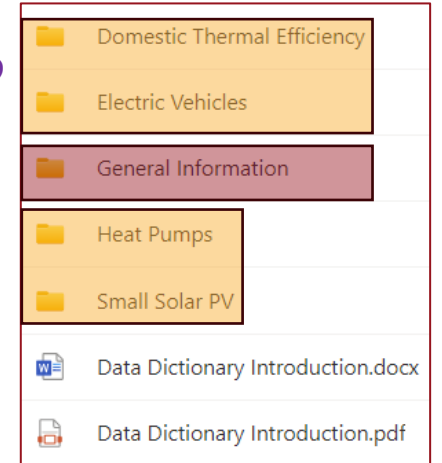
Contents of the Data Dictionary



If you have any difficulties using the data dictionary, contact the Local Net Zero team at LAEP@ukpowernetworks.co.uk

We have developed the Data Dictionary to be as straightforward as possible

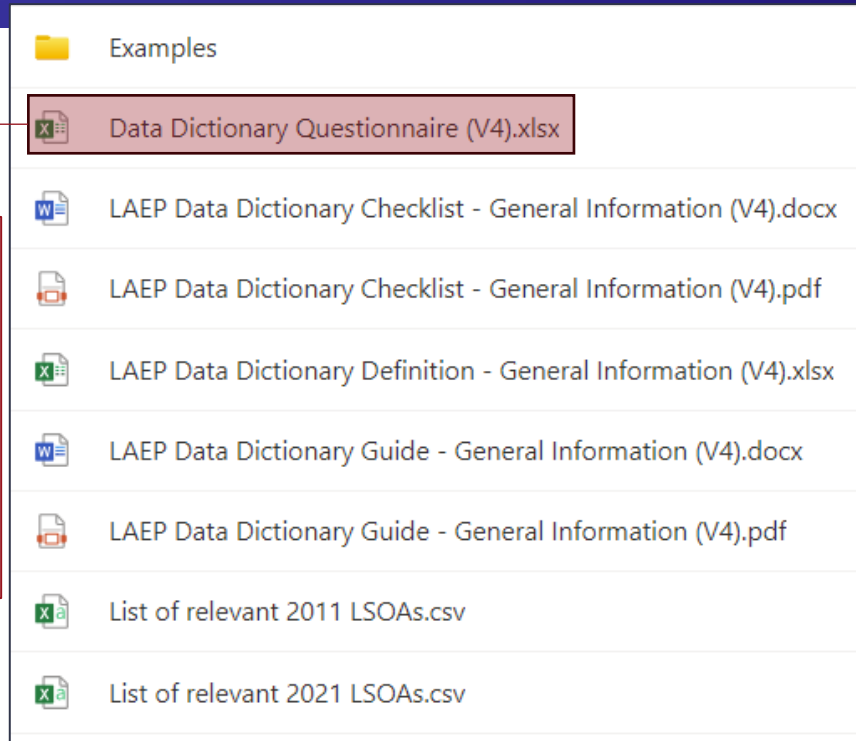
There is a separate folder for each of the four technology segments within scope, and a General Information folder.



The Data Dictionary should be read in the following order:

1. Reading the **Introduction** will give an overview of the data dictionary and the process to follow.
2. Within the **General Information** folder, there is a Guide, Checklist, and Definitions file that will let you understand the checklist of actions to be completed, and technical information on how to complete the data dictionary.
3. Within each **technology** folder there is an individual checklist, definition, and guide.
4. Within each technology segment folder, **Examples** will show you what a completed file could look like for that technology.
5. Within each technology segment folder, the **Templates** folder contains all the blank files that must be completed.

Contents of the Data Dictionary: General Information



Only the Questionnaire needs to be returned, the other files are for supporting information

Examples folder

This folder contains examples of a completed data dictionary questionnaire

Data Dictionary Questionnaire

This should be completed with information about your LAEP and returned.

Checklist

This provides a quick reference guide to help with the assembly of the data required.

Data Dictionary Definition file

This contains the detailed specification of the format of documents to be sent over

Guide

This provides technical information on how to complete the necessary files and answers Frequently Asked Questions. It is aimed to be the reference file by technicians who will be using the data dictionary.

LSOA list (2011 and 2021)

This is a list of LSOAs which are in scope for UK Power Networks analysis

Contents of the Data Dictionary: Examples



	EXAMPLE DATA - electric_vehicle_data (Detailed Archetypes).csv
	EXAMPLE DATA - electric_vehicle_data (High Level).csv
	EXAMPLE DATA - electric_vehicle_data (Preferred resolution).csv
	EXAMPLE DATA - electric_vehicle_definitions (Detailed Archetypes).csv
	EXAMPLE DATA - electric_vehicle_definitions (High Level).csv
	EXAMPLE DATA - electric_vehicle_definitions (Preferred resolution).csv

Example_data

The files ending in “_data” is where the actual data (e.g. the uptake of electric vehicles) should be entered.

	A	B	C	D	E	F	G	H	I
1	laep_name	geographical_area	laep_vehicle_definition	unit	2023	2024	2025	2026	2027
2	example_laep_preferred	E01000001	LAEP_PHEV_CAR	Number of vehicles (individual units)	1001	1011	1021	1031	1041
3	example_laep_preferred	E01000001	LAEP_BEV_CAR	Number of vehicles (individual units)	2001	2011	2021	2031	2041

Example definitions

The files ending in “_definitions” is where you tell us how the archetypes used in your analysis match to the ones we use. The screenshot below shows an example where the LAEP uses more detailed archetypes than we do.

	A	B
1	laep_vehicle_definition	sfs_vehicle_definition
2	LAEP_PHEV_CAR	PHEV_CAR
3	LAEP_BEV_CAR_SMALL; LAEP_BEV_CAR_LARGE;	BEV_CAR

For BEV cars, this example has two archetypes, BEV_CAR_SMALL and BEV_CAR_LARGE

For BEV cars, we have one archetype; BEV car

Assurance



UK Power Networks

One of our company visions is to be a respected and trusted corporate citizen. We are a regulated utility and are committed to working with local authorities to ensure that network capacity is available in the right place, at the right time, at the lowest cost for our customers.

Our delivery partner

We have been working with ERM for a number of years on our Distribution Future Energy Scenarios, and Strategic Forecasting System.

Non – Disclosure Agreement

We have a Non-Disclosure Agreement available to be entered into by any local authority or consultancy ahead of sharing data. It states that data shared will only be used for the purpose of running materiality assessments within our Strategic Forecasting System.

If you would like to enter into the NDA, please let us know and we will send over the template.

Thank You

LAEP@ukpowernetworks.co.uk

