

Local Authority Common Ask Electricity



Checklist – District Heating

Quick reference checklist for assembling data for your local network operator forecasting from a Local Area Energy Plan for District Heating

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Acronyms and Abbreviations

Name	Description
LAEP	Local Area Energy Plan
LSOA	Lower Layer Super Output Areas
DFES	Distribution Future Energy Scenarios
ONS	Office for National Statistics

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1. INTRODUCTION

This checklist was written to accompany version 2 of the LAEP input for modelling Local Authority Common Ask. It is designed to be a quick reference guide to help with the assembly of the data required for your local network operator's forecasting tool, but the Local Authority Common Ask definition itself is to be used as the comprehensive definition of requirements. This checklist specifically covers the compilation of district heating data. Other checklists are provided to support the compilation of data for other technologies.

The data requested to describe the LAEP's district heating forecasts are to be provided in 3 types of files:

- To describe domestic and non-domestic uptake data, uptake files indicating the percentage of stock connected to district heating, for which the relevant templates are *"district_heating_domestic_data_template"* and *"district_heating_non_domestic_data_template"*;
- To describe the fossil to non-fossil fuel ratio of district heating networks, a file indicating the percentage of buildings on district heating using either heat pumps or waste heat instead of other fuels, for which the relevant template is *"district_heating_hp_wh_proportion_data"*;
- To describe the percentage of waste heat or heat pump fuel heating networks that will have a significant network demand, a file indicating the percentage of buildings connected to either waste heat or heat pump district heating networks that are connected to heat pumps, for which the relevant template is *"district_heating_heat_pumps_percentage_of_total_hp+wh_data"*.

We ask for up to 4 separate files to make the content of each file clear and allow for selective completion according to the types of data your LAEP provides.

2. DISTRICT HEATING UPTAKE

Note that, if possible, domestic and non-domestic district heating uptake data should be provided separately for this technology. For more information, see the District Heating guide.

2.1 Domestic District Heating Uptake Data Input

- ☐ Convert the LAEP output data on domestic district heating uptake into a CSV indexed by geographical area.
- ☐ Check that the units of the data are in percentage of domestic building stock connected to a district heating network.
- ☐ Check that the geographic area naming of the data exactly matches the naming used for the area stated in the Local Authority Common Ask questionnaire, either custom or official (check the [ONS Open Geography Portal](#) for official boundary naming definitions).
- ☐ If providing LSOA level data, check that data is only included for LSOAs listed in the "List of relevant 2011 LSOAs" or "List of relevant 2021 LSOAs" files provided in the "General Information" folder.
- ☐ Ensure that each year between the base year and 2050 has a column, even if empty.
- ☐ If relevant for your LAEP, ensure that the year definition used for the data matches the definition given in the Local Authority Common Ask questionnaire in the "General Information" folder.
- ☐ Add a column with the LAEP name to indicate the data origin.

☐ Make sure naming doesn't have typos (check capitalisation, spelling, spaces).

☐ Make sure the file is saved in the CSV UTF-8 (Comma delimited) format.

laep_name	geographical_area	unit	2023
TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	As defined in data dictionary questionnaire	TO BE COMPLETED BY LAEP PRACTITIONER - COMPLETE ALL YEARS FOR WHICH YOUR LAEP REPORTS DATA

Figure 1: First row of domestic district heating uptake data template including first year of data, with comments detailing how data should be entered. Identical to non-domestic template.

2.2 Non-Domestic District Heating Uptake Data Input

☐ Convert the LAEP output data on non-domestic district heating uptake into a CSV indexed by geographical area.

☐ Check that the units of the data are in percentage of non-domestic building stock connected to a district heating network.

☐ Check that the geographic area naming of the data exactly matches the naming used for the area stated in the Local Authority Common Ask questionnaire, either custom or official (check the [ONS Open Geography Portal](#) for official boundary naming definitions).

☐ If providing LSOA level data, check that data is only included for LSOAs listed in the "List of relevant 2011 LSOAs" or "List of relevant 2021 LSOAs" files provided in the "General Information" folder.

☐ Ensure that each year between the base year and 2050 has a column, even if empty.

☐ If relevant for your LAEP, ensure that the year definition used for the data matches the definition given in the Local Authority Common Ask questionnaire in the "General Information" folder.

☐ Add a column with the LAEP name to indicate the data origin.

☐ Make sure naming doesn't have typos (check capitalisation, spelling, spaces).

☐ Make sure the file is saved in the CSV UTF-8 (Comma delimited) format.

laep_name	geographical_area	unit	2023
TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	As defined in data dictionary questionnaire	TO BE COMPLETED BY LAEP PRACTITIONER - COMPLETE ALL YEARS FOR WHICH YOUR LAEP REPORTS DATA

Figure 2: First row of non-domestic district heating uptake data template including first year of data, with comments detailing how data should be entered. Identical to non-domestic template

3. DISTRICT HEATING FUEL TYPE

3.1 District Heating Networks with Heat Pump or Waste Heat Fuel Data

☐ Convert the LAEP output data on building stock connected to district heating using either heat pumps or waste heat as a fuel as a percentage of all building stock connected to district heating into a CSV indexed by geographical area.

- ☐ Check that the units of the data are in percentage of district heating connected building stock connected to a network with a fuel type of either a heat pump or waste heat.
- ☐ Check that the geographic area naming of the data exactly matches the naming used for the area stated in the Local Authority Common Ask questionnaire, wither custom or official (check the [ONS Open Geography Portal](#) for official boundary naming definitions).
- ☐ If providing LSOA level data, check that data is only included for LSOAs listed in the “List of relevant 2011 LSOAs” or “List of relevant 2021 LSOAs” files provided in the “General Information” folder.
- ☐ Ensure that each year between the base year and 2050 has a column, even if empty.
- ☐ If relevant for your LAEP, ensure that the year definition used for the data matches the definition given in the Local Authority Common Ask questionnaire in the “General Information” folder.
- ☐ Add a column with the LAEP name to indicate the data origin.
- ☐ Make sure naming doesn’t have typos (check capitalisation, spelling, spaces).
- ☐ Make sure the file is saved in the CSV UTF-8 (Comma delimited) format.

laep_name	geographical_area	unit	Quantity	2023
TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR BOTH QUANTITIES FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR BOTH QUANTITIES FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	%	heat_pump_or_waste_heat_proportion	TO BE COMPLETED BY LAEP PRACTITIONER - COMPLETE ALL YEARS FOR WHICH YOUR LAEP REPORTS DATA

Figure 3: First row of district heating network heat pump or waste heat fuel data template including first year of data, with comments detailing how data should be entered.

3.2 District Heating Networks with Heat Pump Fuel as a Percentage of Heat Pump and Waste Heat Networks Data

- ☐ Convert the LAEP output data on building stock connected to district heating using heat pumps as a fuel as a percentage of all building stock connected to district heating using either heat pumps or waste heat as a fuel into a CSV indexed by geographical area.
- ☐ Check that the units of the data are in percentage of domestic building stock connected to a district heating network using either heat pumps or waste heat as a fuel.
- ☐ Check that the geographic area naming of the data exactly matches the naming used for the area stated in the Local Authority Common Ask questionnaire, either custom or official (check the [ONS Open Geography Portal](#) for official boundary naming definitions).
- ☐ If providing LSOA level data, check that data is only included for LSOAs listed in the “List of relevant 2011 LSOAs” or “List of relevant 2021 LSOAs” files provided in the “General Information” folder.
- ☐ Ensure that each year between the base year and 2050 has a column, even if empty.
- ☐ If relevant for your LAEP, ensure that the year definition used for the data matches the definition given in the Local Authority Common Ask questionnaire in the “General Information” folder.
- ☐ Add a column with the LAEP name to indicate the data origin.

☐ Make sure naming doesn't have typos (check capitalisation, spelling, spaces).

☐ Make sure the file is saved in the CSV UTF-8 (Comma delimited) format.

laep_name	geographical_area	unit	Quantity	2023
TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR BOTH QUANTITIES FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR BOTH QUANTITIES FOR EACH GEOGRAPHICAL AREA IN YOUR LAEP	%	heat_pumps_percentage_of_total_heat_pump_and_waste_heat	TO BE COMPLETED BY LAEP PRACTITIONER - COMPLETE ALL YEARS FOR WHICH YOUR LAEP REPORTS DATA

Figure 4: First row of district heating network heat pump as a proportion of heat pump or waste heat fuel data template including first year of data, with comments detailing how data should be entered.