

Local Authority Common Ask Electricity



Checklist – Electric Vehicles

Quick reference checklist for assembling data for your local network operator’s forecasting from a Local Area Energy Plan for Electric Vehicles

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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 electric vehicle data. Other checklists are provided to support the compilation of data for other technologies.

2. ELECTRIC VEHICLES

2.1 Electric Vehicle Definitions

NOTE: If the least preferred units of home electric charge points is used, then the Electric Vehicle Definitions file does not need to be provided, unless data is being provided for HGV, bus, minibuss and coach data.

- ☐ Complete each row with the corresponding category name used in the data file, leaving them blank if not covered by the data. Check the detailed descriptions for clarification on the definition of each template category.
- ☐ If using the less preferred units of electric vehicle kilometres or electric vehicle demand, check that the archetypes provided do not correspond to the heavy duty options of HGV, bus, minibuss or coach.
- ☐ If using the least preferred units of home electric charge points and providing HGV, bus, minibuss and coach data number uptake data alongside, make sure that only entries against these SFS definitions are provided.

laep_vehicle_definition	sfs_vehicle_definition	sfs_vehicle_definition_description
	PHEV_CAR	Body Type: Vehicles constructed for passenger carryi

Figure 1: The first line of the electric vehicle definition table.

2.2 Electric Vehicle Data

- ☐ Convert the LAEP data on electric vehicles, electric vehicle kilometres, electric vehicle demand or home charge points into a CSV indexed by geographical area (ideally LSOA) and vehicle type definition.
- ☐ 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.
- ☐ Check that the vehicle definition column has names exactly matching the naming used in the "laep_vehicle_definition" column in the accompanying "Electric Vehicle Definitions" CSV. If using the least preferred units of home electric charge points, then leave this column blank, except to indicate numerical data provided for HGV, bus, minibuss and coach categories alongside if using.
- ☐ 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	laep_vehicle_definition	unit	2023
TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH COMBINATION OF GEOGRAPHICAL AREA AND ELECTRIC VEHICLE ARCHETYPE IN YOUR LAEP	TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH COMBINATION OF GEOGRAPHICAL AREA AND ELECTRIC VEHICLE ARCHETYPE IN YOUR LAEP	TO BE COMPLETED BY LAEP PRACTITIONER - ADD ROWS FOR EACH COMBINATION OF GEOGRAPHICAL AREA AND ELECTRIC VEHICLE ARCHETYPE IN YOUR LAEP	Number of vehicles (individual units)	TO BE COMPLETED BY LAEP PRACTITIONER - COMPLETE ALL YEARS FOR WHICH YOUR LAEP REPORTS DATA

Figure 2: First row of Electric Vehicle data template including first year of data, with comments detailing how data should be entered shown.