

ON-STREET EV CHARGER REQUIREMENTS

PRODUCT SHEET

INTRODUCTION

Emu Analytics' 'On-Street EV Charger Requirements' product is designed to assist Local Authorities in targeting on-street electric vehicle charging deployments. It contains 2 sets of location data for Local Authority Areas in Great Britain:

- Every road within the Local Authority with the percentage of residential buildings without off-street parking along each. By extension this represents the percentage of residential buildings that require on-street charging facilities to be installed.
- Every residence within the Local Authority with the likelihood of it having off-street parking facilities. By extension this represents the likelihood of each building requiring on-street parking facilities.

BENEFITS

- Rapidly understand the extent charging facilities are required in residential areas
- Understand which locations have a lack of off-street parking
- Provide key evidence for the UK Government's On-Street Residential Chargepoint Scheme
- Easily integrate these datasets into your existing Geographic Information Systems e.g. ESRI ArcGIS, QGIS and MapInfo



Example Road and Building Output

DATA

Coverage

The product covers all of England, Scotland and Wales.

Accuracy

The likelihood of access to off-street parking facilities is calculated using Land Registry parcels and the distance between the building and the edge of the accessible plot. The accepted distance for parking is 5m, however anything considered less than 3m is shown as being unlikely to support off-street parking in this dataset.

Building outlines are taken from Ordnance Survey Open Map, which simplifies larger structures, such as terraces into a single geometry. These have been split using the Land Registry parcels, however in some cases some simplification still exists.

Known Limitations:

- Non-residential property is removed using OS Open Map and OpenStreetMap data, however mix-use property and some non-residential property remains
- Only property frontage is considered in this data. Any driveways along the side of the house are not detected.

Delivery

The data is delivered in Shapefile format, per Local Authority area, for use in standard GIS software such as Esri ArcMap/Pro and QGIS.

All geometries are in the British National Grid (BNG OSGB 1936) coordinate system.

Licensing

The product is licensed annually, with a full commercial license, allowing unrestricted use.