

Briefing Note

Electric Charging Points for Parish Councils

18 January 2022

1.0 Background

1.1 EV = Electric Vehicle

1.2 Background of meeting

Helen Nicholson of Truro Community Network organised a Teams meeting for those Parish Councils interested in installing a charging point(s). About 30 people attended.

1.3 Government target

The UK government wants the manufacture of petrol and diesel cars to end by 2030; that is, 8 years from now.

1.4 Types of points and costs

Basically, there are three types of charging points and the tariff rises with the speed of the charger:

- Domestic (slow) – will charge to 100% overnight
- Fast (2-6 hours)
- Rapid (under 1 hour)

1.5 Power grid

The capacity of the grid was questioned. This would have to be investigated for each proposed site.

1.6 Drive EV Project

As a County, Cornwall is in the top 20% for availability of public charging points. There are still very few. Cornwall Council is trying to increase the number rapidly by installing EV points in their car parks. The project is in its early stages, but the deadline is March 2023 for installation! The officers in charge have been working for about 3 months, since Oct 2021.

The details of the business model will not be known until a provider is selected. The procurement process is underway.

More information from the CC project: driveev2@cornwall.gov.uk

1.7 General behaviour around charging points

Usually, owners have home charging points where they charge their car overnight.

When they need to charge their car outside the home they will usually charge to about 80%. They use *Zap Map* to find out where charging points are. That is, the charging point only tops them up, enough to be able to get home comfortably.

The tourism business model is not yet understood: how tourists in EVs will use the charging points and what the demand will be.

At public charging points, the car must be parked for some time: the time can be as little as 30 minutes and up to perhaps 6 hours. For example, St Austell is thinking about installing Rapid Charging points in the town centre, which should encourage EV owners to use the cafes and shops.

2.0 Types of charging stations

2.1 Private – domestic and workplace

Charging stations can be private: in homes and at workplaces. People owning domestic or workplace charging points may rent them out to other EV users at any rate they wish to set.

2.2 Public – car parks, hotels, motorway service stations, community owned

Generally, public EV charging points are located in car parks. The CC **Drive EV Project** is doing this for CC car parks in Cornwall. It is likely that petrol stations will eventually be converted over to EV charging points.

2.3 Rapid EV points in Cornwall

To date there are 2 Rapid EV points in Cornwall: Bodmin & Redruth. The Redruth EV point is reserved for taxis.