

Cyngor Sir CEREDIGION County Council

REPORT TO: Thriving Communities Overview and Scrutiny Committee

DATE: 23rd October 2024

LOCATION: Hybrid

TITLE: On-street residential electric vehicle (EV) charging Infrastructure

PURPOSE OF REPORT: To provide an overview of the proposed Phase 5 for On-street residential/public EV charging as set out within the Net Zero Action Plan.

REASON SCRUTINY HAVE REQUESTED THE INFORMATION: For Information.

BACKGROUND:

On-street residential/public charging infrastructure for Ceredigion County. This is a progression from the initial phases 1 - 3 installing public EV charge point installations in public car parks, leisure centres, community halls etc. Phase 4 is currently under way.

- EV Chargers installed so far: **44** chargers (**88** connectors), 3 rapid chargers and 41 fast chargers
- Phase 4 proposals: **6** rapid chargers, **1** fast charger
- Silverstone Green Energy installs and operates all the public EV chargers either on the County Councils behalf.
See **Appendix A**

Appendix A shows where we stand in a 'league' table with other Welsh LAs provided by Transport for Wales (TfW) as of last year.

Please see **Appendix b** for table.

CURRENT POSITION:

On-street residential/public EV chargers

Ceredigion County Council has been successful in our bid for a Welsh Government fund 'On-street EV Charging Ambition Fund' where it was advised that only two LAs would receive a grant of £120,000 under the Ultra Low Emission Vehicle Transformation Fund. This scheme is designed to provide a capital investment to secure a largely commercially funded trial or trials of on-street charging infrastructure within the local authority.

Research has been undertaken on EV charger types, availability, providers, possible trial areas and indicative costs.

See appendix C

Residential/public EV charger types

- **Gully charging** - a car charging pavement channel or gully is a trench that is cut into the pavement outside a dwelling. It allows an electric vehicle charging cable to be run underground from the charger location (at the dwelling) to the parked car.
- **Bollard EV charging** - heavy duty bollards help vehicle owners to park in a secure area where they can charge up at a distance which keeps them, their cars, and the EV charging infrastructure safe.
- **Lamp post EV charger** - installing directly onto lampposts through secure bolting, and no requirement to dig up pathways.
- **Hidden Infrastructure EV charger** - charging points aim to be unobtrusive by “sitting flush within the pavement”. People can connect the charger to their vehicles using an attachable lance.
- **Reviewing the use of BT street cabinets** – under discussion on how the BT cabinets already present on the pavements could be used for a dual purpose of EV charging.

Following engagement with suppliers we are currently going out to tender under the new Welsh Government Framework.

Our intention is to match fund the installation of chargers using the grant received and to have a trial of all the types of chargers in various locations in Ceredigion.