

## Future Demand for Electric Vehicle Infrastructure in Sevenoaks District

Cleaner & Greener Advisory Committee – 10<sup>th</sup> October 2023

**Report of:** Deputy Chief Executive and Chief Officer for Planning and Regulatory Services

**Status:** For Consideration & comment

**Also considered by:**

- N/A

**Key Decision:** no

**This report supports the Key Aim of:** Green Environment & Healthy Environment

**Portfolio Holder:** Cllr. McArthur

**Contact Officer(s):** Nick Chapman, Ext. 7167 & Holly Harris- Ext- 7116

**Recommendation to Cleaner & Greener Advisory Committee**

To note the contents of the report and associated EV Infrastructure Study

**Reason for recommendation:** This report is for information and has been provided to update Cleaner & Greener Advisory Committee on the EV Infrastructure study undertaken by Environmental Health

## Introduction and Background

- 1 The replacement of journeys using traditional Internal Combustion Engine (ICE) vehicles to Battery Electric Vehicles has benefits for local air quality and is also a key element of government strategy to help reduce carbon emissions by 2050.
- 2 Measure 15 of the Sevenoaks District Council's Air Quality Action Plan 2022-2027 commits the district council to improving and developing infrastructure for Electrical Vehicles within the district.
- 3 In September 2022, the District Council commissioned a study into future EV demand within Sevenoaks District. Following a round of competitive procurement, Field Dynamics were appointed. The primary aims for this study were:
  - a. Identification of future EV ownership within Sevenoaks District
  - b. Identification of future residential demand for public charging (with consideration of a property owner/ occupiers ability to install a private EV charger (on their driveway)
  - c. Creation of demand zones- to allow prioritisation of future infrastructure/ funding and resources.
  - d. Modelled impact of public EV chargers (those already installed and those proposed).
- 4 Between October 2022 and January 2023, officers from Environmental Health, Planning Policy and the GIS Team worked with Field Dynamics to refine a bespoke model of our district which was then used to predict future demand for public EV infrastructure (2030 planning horizon). The demand and prioritisation identified in the Study will help inform future provision through the Local Plan and Infrastructure Delivery Plan.
- 5 A report detailing this work is included as Appendix A.

## Key Implications

### Financial

None

### Legal Implications and Risk Assessment Statement.

None

### Equality Assessment (Compulsory heading - do not delete)

The information in this paper has a remote or low relevance to the substance of the Equality Act. There is no perceived impact on end users.

Net Zero Implications (compulsory heading – do not delete)

Members are reminded of the Council's stated ambition to be Net Zero with regards to carbon emissions by 2030. The decisions recommended in this paper directly impact on this ambition. The impact has been reviewed and there will be a decrease in carbon emissions produced in the District as a result of this decision.

**Appendices**

Appendix A - EV Infrastructure Study

**Richard Morris**

**Deputy Chief Executive and Chief Officer – Planning & Regulatory Services**