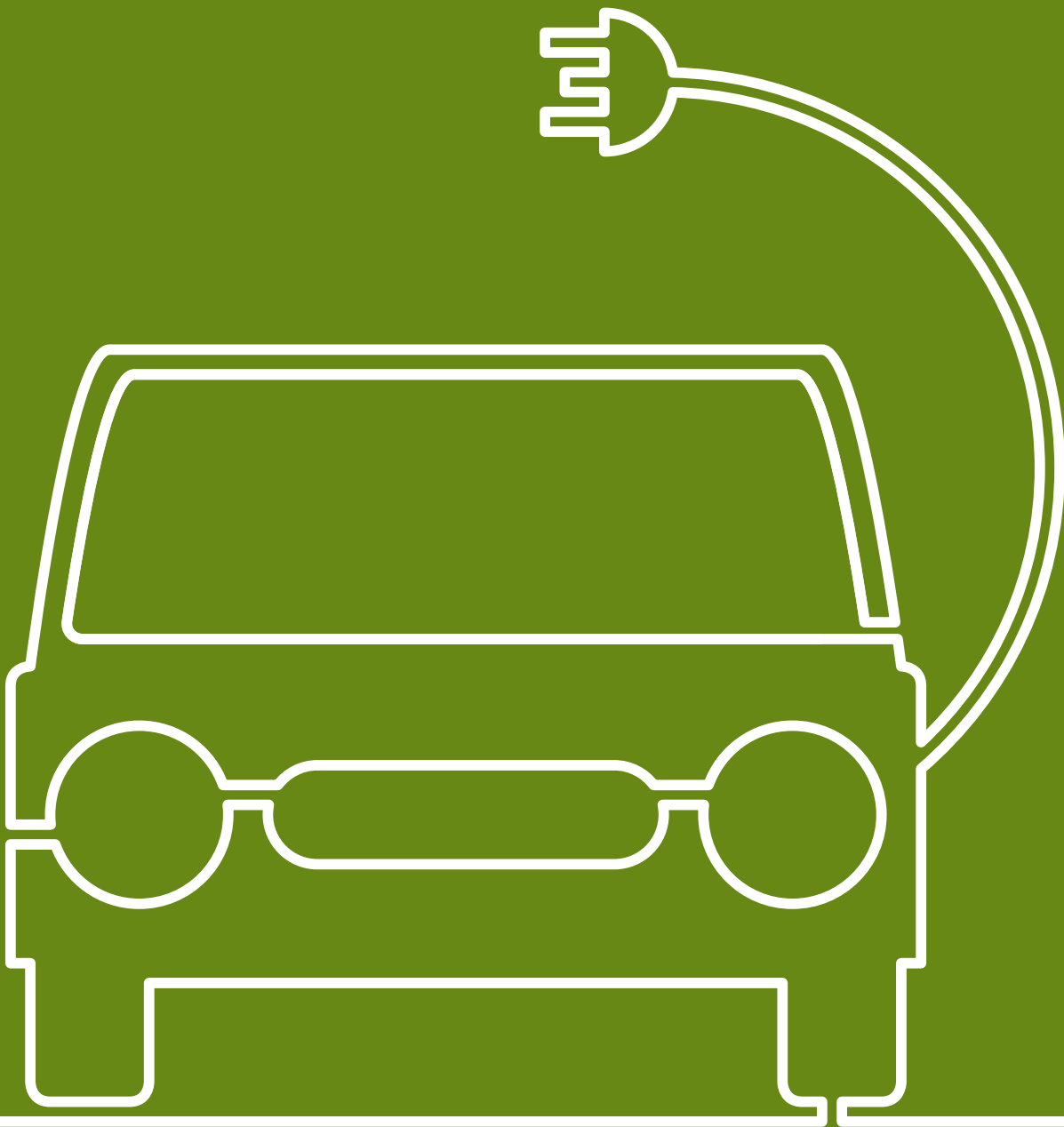


Electric vehicle charging infrastructure strategy

Summary document

Draft for consultation – February 2023



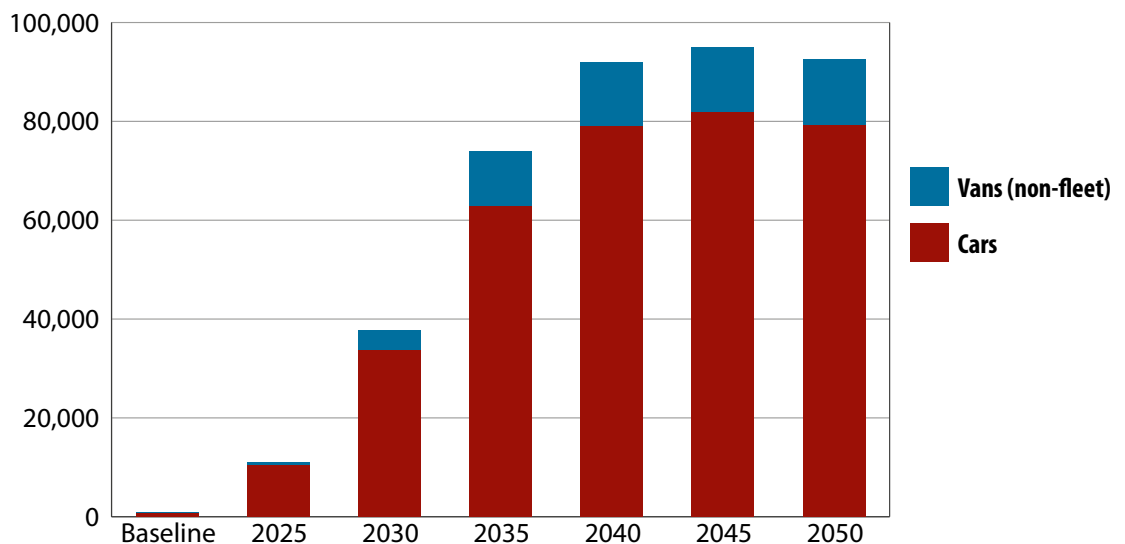
The electrification of vehicles is underway. From 2035, all new cars and vans must be fully zero emission at the tailpipe. By 2050, almost all cars and vans on our roads will be zero emission.

In order to support more electric vehicles on our roads, we will need more charging

infrastructure. The government has asked local authorities to play their part in the placement of chargepoints.

There is a need to plan and invest in public chargepoints ahead of demand so that a lack of facilities does not delay the switch to electric vehicles.

Figure 1: Forecast growth in electric vehicles on the Isle of Wight.



What the ECVI strategy is about

The Electric Vehicle Charging Infrastructure (ECVI) Strategy focuses primarily on EV charging infrastructure for cars and vans, including taxis, private hire vehicles and delivery vehicles. It does not aim to identify charging infrastructure for larger vehicles and buses but recognises that some of the infrastructure may be suitable for these vehicles.

The provision of Electric Vehicle (EV) chargepoints also supports our “Mission Zero” Climate and Environment Strategy and the ambition for the Island to be net zero by 2040.

This strategy paints a picture of the future network and proposes some actions the council and other organisations can take to support the rollout.

In particular, we want to:

- plan for residents that do not have off-street parking and who will be completely reliant on the public network;
- ensure that visitors to the Island who will also be reliant on public chargers have been factored into the plans;
- enable certain fleet vehicles to charge quickly during the working day.

At this stage the number of public chargepoints that will be required for a full network is unknown. It will be subject to changes in technology, but the number is likely to be a few hundred at least. This network will be enabled by both the council and the private sector. The council will seek third party funding for all its

chargepoints and will work with operators that are able to provide a reliable and competitive service. This will include on and off-street chargepoints and, potentially, charging hubs which will provide ultra-rapid charging for business as well as residential use.

Figure 2: On-street charge point installations as part of pilot project



Feedback on ECVI proposals

The ECVI Strategy is split into the following sections on which we are seeking your views:

- **Description of EV charging infrastructure** – what are your views on the type and speed of chargepoint that should be provided in different locations?
- **Modelling demand** – do you have any insights into the number of public chargepoints that are likely to be required?
- **Ownership models** – we are keen to gather thoughts on private ownership models for businesses, Town, Parish and Community Councils and offers of sites for public chargepoints.
- **Future off-street chargepoint provision** – what are your thoughts on the locations that have been suggested for off-street chargepoints. Where could innovative solutions be deployed?
- **Future on-street charge point provision** – do you agree with our methodology for deciding where to place on-street chargepoints? What about provision in rural areas?
- **Utilising domestic electricity supplies** – should cable gullies and similar solutions be allowed?
- **Charging hubs** – what are your thoughts on possible locations for charging hubs to provide ultra-rapid charging?
- **Network development** – we would like to hear from everyone who is considering providing public charging infrastructure and understand your target markets.
- **Parking charges** – do you agree with our aim to re-introduce parking charges for EV charging bays?
- **Parking regulations** – do you agree that the parking restrictions proposed for EV charging bays are appropriate and should any alternative restrictions be applied?
- **Planning policy** – do you think we should require higher levels of chargepoint provision in non-residential developments and what are your views on creating off-street parking spaces?
- **Accessible chargepoints** – we are keen to hear from disabled drivers and disability groups on the proposals for accessible chargepoints.

Throughout this document we've made some clear proposals on how we might proceed:

- **The council will contract with third party chargepoint operators (CPOs) to fund and manage the public chargepoint infrastructure on its land.**

- **When demand grows to a suitable level, the council will seek providers who will install and run residential charging hubs.**

- **The council will seek to provide charging for those without driveways in council car parks in the first instance.**

- **The council will focus on high powered chargepoints to minimise the amount of infrastructure required.**

- **The council will adopt new design standards for on-street charging bays.**

- **Once legal issues have been resolved, the council will consider allowing cable gullies in streets which are not in close proximity to existing or planned chargepoints.**

- **The council will allow car club operators to install EV chargepoints at dedicated 'car club' bays, if they have purchased 'all-Island parking permits' for the vehicles.**

- **The council will not apply a parking charge to vehicles that are using the chargepoints in council car parks until 31 December 2024.**

- **The council will ensure that future chargepoints installed on its land have an instant contactless card payment option.**



Figure 33: Greenstation charging hub
(Photo courtesy of Greenstation [greenstation.no](https://www.greenstation.no))

Consultation – how to respond

We want to understand how you think we can take this strategy forward and what you think our role should be.

If you are interested in responding, the full consultation document is available at: www.iow.gov.uk/council/OtherServices/zzzElectric-Vehicle-Chargepoints/Car-Park-Chargepoints on the 'EVCI strategy consultation' tab. The consultation response form is at arcg.is/1C8Pie0

This has questions relating to issues that are raised in many of the chapters. You can respond to all of these or as many as you

want. Alternatively, you may just want to give us your general impression of the strategy or make some points which are not specific to a particular question. You can do this in the 'General Comments' box at the beginning of the consultation and do not have to reply to any other questions if you prefer.

A hard copy of the consultation document and response form is available by contacting us on evchargepoints@iow.gov.uk or 01983 821000. Copies will also be available in public libraries and in County Hall reception. The consultation will end at 11.59pm on 21 April 2023