



SFT CORPORATE PRIORITIES



NET ZERO



SUSTAINABLE PLACE



INCLUSIVE GROWTH

SFT Outcomes

Demonstrating progress with impact

PRIMARY OUTCOME


10




INFRASTRUCTURE-RELATED CARBON DIOXIDE EMISSIONS ARE REDUCED

SECONDARY OUTCOMES

01



03



Developing the strategic case for electric vehicle infrastructure





SCOTTISH FUTURES TRUST





Electric Vehicle Charging Infrastructure Report
July 2021

Scottish Government has set bold climate change targets, with a legal requirement to achieve a 75% reduction in greenhouse gas emissions by 2030 and net zero greenhouse gas emissions by 2045.

By 2030, the sale of all new petrol and diesel cars and vans will be banned in Scotland therefore supporting the uptake of electric vehicles (EVs) is an important component of Scottish Government's Climate Change Plan.

With the number of EVs increasing rapidly, meeting the growing demand for public charging infrastructure will require significant investment.

SFT's Innovative Finance and Net Zero teams have been working with Transport Scotland on considering the future financing and delivery options of public EV charging infrastructure in Scotland, and in particular, looking at the following challenges:

- The cost of funding EV infrastructure and providing free charging will rise



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- Continued central subsidy of the public charging network may risk market distortion, particularly in areas where private investment can be leveraged
- There will be increased pressure on local authorities to invest resources and develop expertise to manage an expanding EV charging programme while maintaining a high level of service for the existing network

In partnership with Transport Scotland, SFT has developed a Strategic Case (Case for Change) to identify emerging challenges and opportunities for the public EV charging network in Scotland.

Working with Transport Scotland, the teams undertook extensive engagement across the public and private sectors to support the evidence base and to identify the likely priorities and actions required to meet these challenges.

The team identified the potential for establishing new delivery models whereby private sector skills, resources and finance are leveraged in to support the further expansion of the public charging network.

This work led to the publication of the [Electric Vehicle Charging Infrastructure Report \(July 2021\)](#) jointly authored by SFT and Transport Scotland. This will signpost a change in moving away from a wholly publicly funded network of public EV charge points to one with a greater emphasis on enabling commercial markets.

Minister for Transport Graeme Dey said: “This report makes clear that as demand for electric vehicles increases, our approach towards the provision of public charging infrastructure must evolve.

“We’ve achieved much through the Local Authority Infrastructure Programme and over £45 million pounds has been invested to deliver over 1800 charge points across Scotland through a single network operator. This has created green jobs and net zero opportunities across the country – but more can still be achieved.

“This report is clear that we are now at a tipping point in terms of current demand and future requirements. By retaining the best characteristics that Scotland enjoys through ChargePlace Scotland, the opportunities from inviting greater private sector involvement could be tremendous.

“To meet our world leading climate targets, of course we need to see less car use rather than more. For those that need to drive, the opportunities afforded by electric vehicles for our climate and our air quality are profound. If the car is the right tool for transport on some occasions then we need people to have confidence to choose electric. This requires a comprehensive charging network and I’m pleased that this report provides a route map that supports our vision of phasing out the need for new petrol and diesel cars and vans by 2030.”

SFT’s teams will continue to work closely with key partners to scope out the requirements to develop financial models to accelerate the future delivery of public electric vehicle charging facilities.