



SFT Outcomes 2021/22

Demonstrating progress with impact

PRIMARY OUTCOME



SECONDARY OUTCOMES



Providing expertise that supports local authorities' EV infrastructure investment plans

Corporate Priorities

- **Net Zero** - The pathfinder initiatives are evaluating the efficacy of alternative business models for the deployment of EV charging infrastructure that will directly support the decarbonisation of surface transport.
- **Inclusive economic growth** is promoted through removing barriers and crowding-in private sector investment where it was not viable previously, whilst targeting public subsidy through a cohesive strategy and expansion plan, to the areas that need it the most – a just transition.

Scotland has set itself an ambitious net zero target, with a legal requirement to achieve a 75% reduction in greenhouse gas emissions by 2030 and net zero greenhouse gas emissions by 2045.

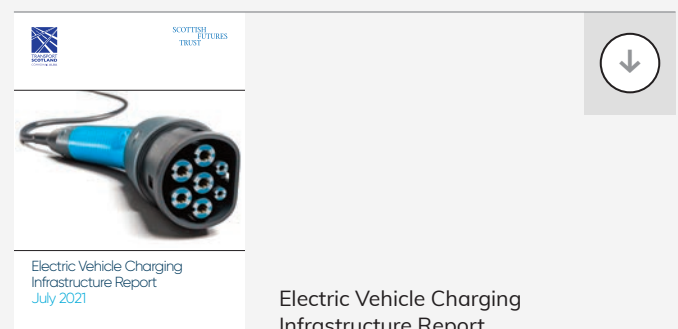
Working towards that goal, Scottish Government's policy is by 2030 phase out the need to buy new petrol and diesel cars and vans and work with public bodies to phase out petrol and diesel cars from our public sector fleet and phase out the need for any new petrol and diesel light commercial vehicles by 2025. Therefore, supporting the uptake of electric vehicles (EVs) and the infrastructure needed to support them, is an important component of Scottish Government's Climate Change Plan.

During 2021, the Scottish Futures Trust established a Net Zero Transport Team by pulling together experts from its infrastructure and innovative finance workstreams.

The Team quickly identified the potential for establishing new infrastructure delivery models whereby private sector skills, resources and finance could be leveraged to support the expansion of the existing public charging network and help lessen the need for public subsidies in this sector.

This work led to the publication of the *Electric Vehicle Charging Infrastructure Report* (July 2021), co-written by our Net Zero Transport Team and Transport Scotland. The report highlighted that Scotland was at a tipping-point with several factors converging on the planning, delivery and financing of charging infrastructure.

Recognising that public sector funding on its own will not meet future demands for EV charging and the need to make a marked shift from fully funded charging infrastructure to new delivery models that can leverage private finance, Scottish Government published its draft vision for Scotland's Public Electric Vehicle Charging Network and announced a new £60 million fund.



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A CLEAR PICTURE OF SCOTLAND'S FUTURE INFRASTRUCTURE NEEDS



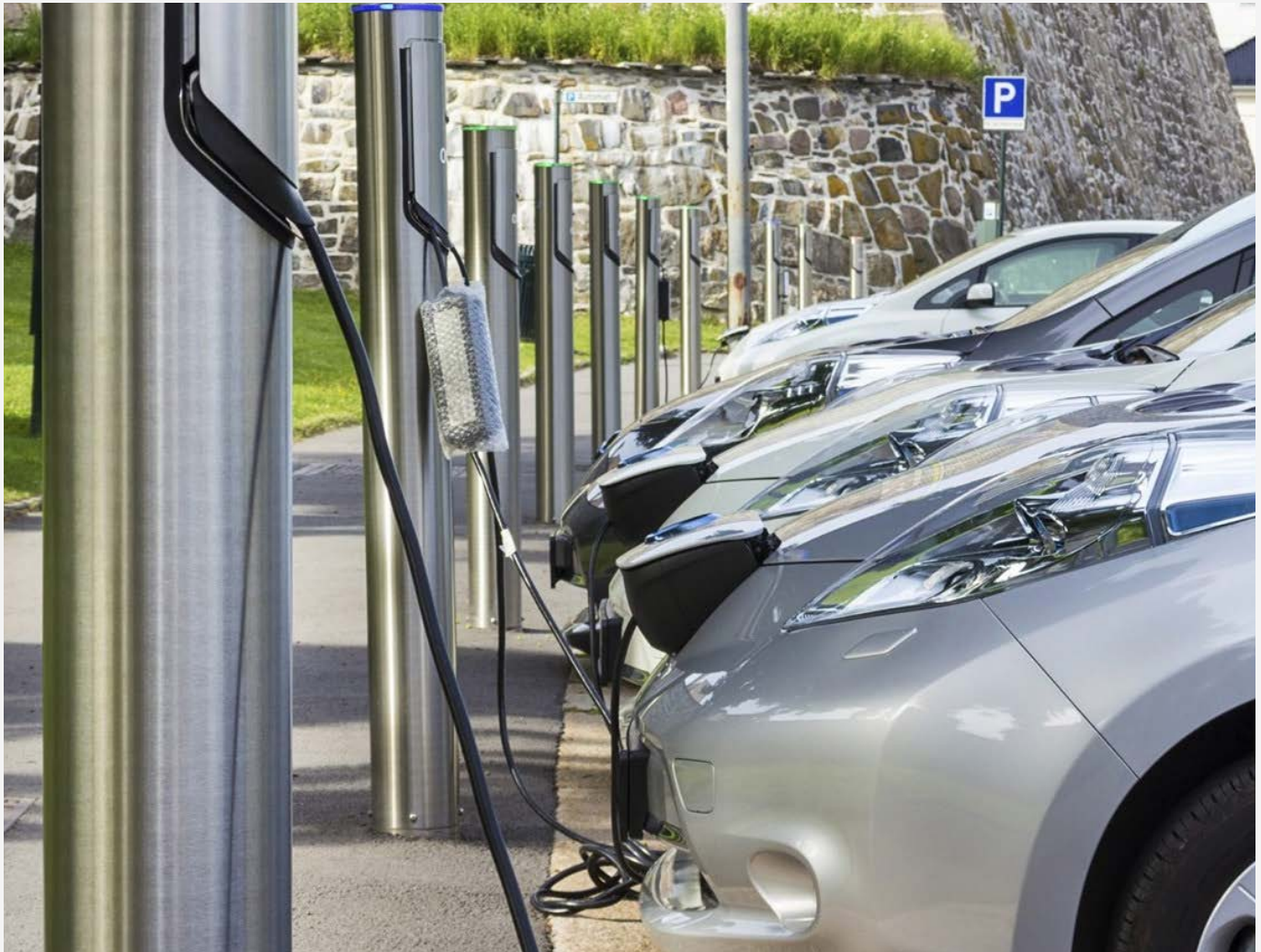
NET
ZERO



SUSTAINABLE
PLACES



INCLUSIVE
GROWTH



The Electric Vehicle Infrastructure Fund (EVIF) provides visibility of funding available to local authorities over the next four years. It will enable the expansion of the public EV charging network at scale and target investment in localities where private investment on its own would not be viable. At least half of this funding will be mobilised by the private sector.

Prior to the launch of the EVIF, working with Transport Scotland, SFT instigated a pathfinder initiative to enable new delivery models to be explored in partnership with local authorities. In February 2022, the Cabinet Secretary for Net Zero, Energy and Transport, Michael Matheson, announced that £350,000 had been made available for six pathfinder projects spread across 17 local authority areas. The development of each of these pathfinder initiatives has been supported by SFT and the Net Zero Transport Team's commercial infrastructure expertise has been used to test new insights as well as innovative delivery models.

The Team commissioned the delivery of a demand forecast toolkit and well as a GIS (Global Information System) mapping tool to support local authorities in identifying the need for an expanded public EV charging network. The Team also created a financial model to assess the viability of initiatives that seek to attract private sector investment. Some of this thinking has also been applied to the decarbonisation of the public sector fleet, which the Team is also supporting.

The pathfinder initiatives are enabling a period of strategic planning and identification of new delivery models for an expanded network public EV charging that mobilises significant private sector capital, lessening the need for public subsidies in this sector

While the pathfinder initiatives are still in the early stages of development, learnings have already been applied to the wider programme, with the expectation that procurements, using alternative models to deliver EV charging infrastructure, will begin in early 2023.