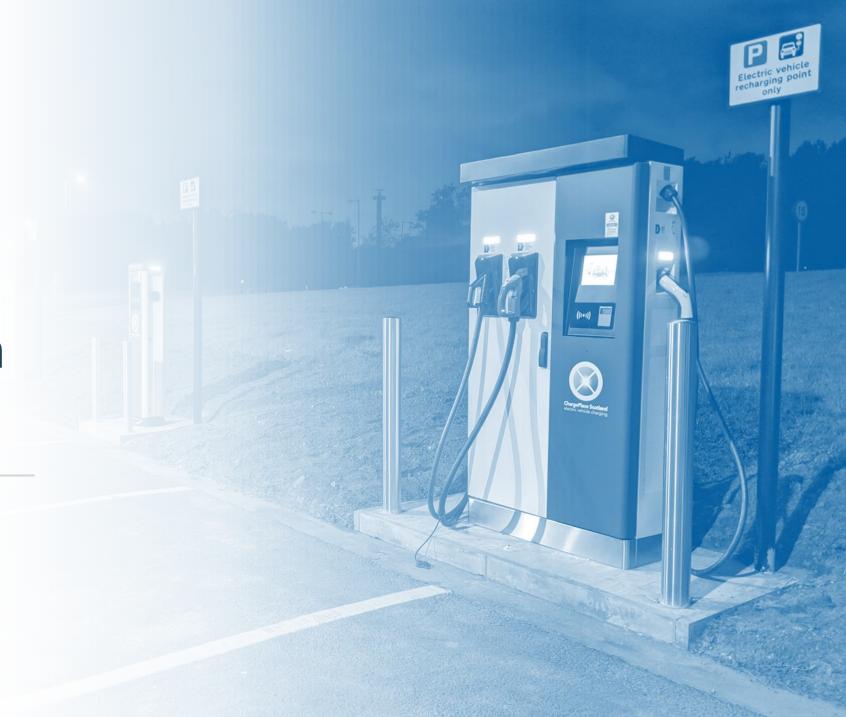


Public Electric
Vehicle (EV)
Infrastructure in
Scotland

APSE

February 2022





An Introduction to Scottish Futures Trust

- Arms-length company wholly owned by Scottish Ministers
- Improves efficiency and effectiveness of infrastructure investment and use in Scotland
- Works in collaborations with public bodies and industry, leading to better value for money, maximising investment in the fabric of Scotland
- Electric Vehicle Infrastructure (EVI) is a significant opportunity for the net zero transition and inward investment

SFT's Role with Transport Scotland

1

Scale up investment in Electric Vehicle charging infrastructure

2

Support public sector fleet decarbonisation

3

Support the decarbonisation of buses

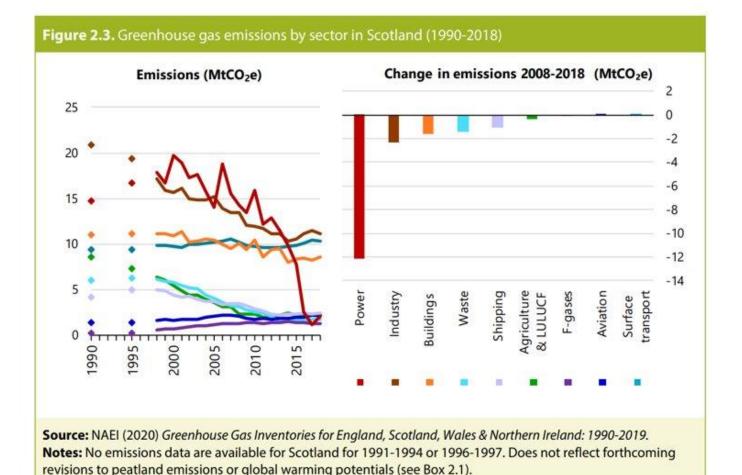


Why are we doing this?

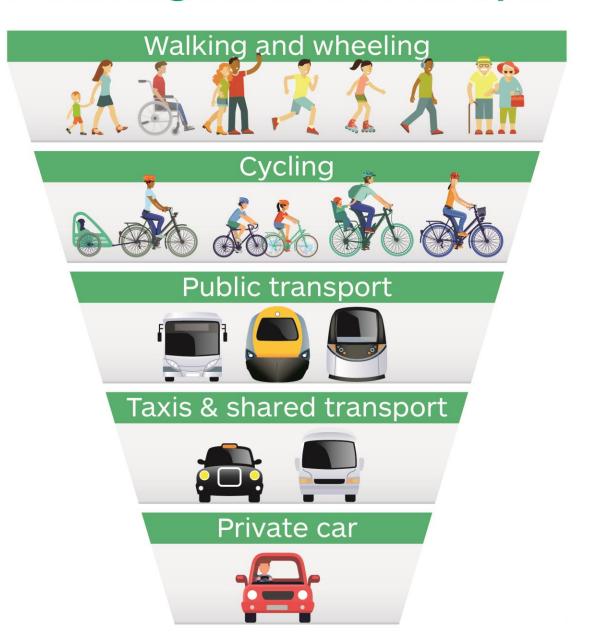
Prior to the pandemic, CO2 emissions from surface transport were **flatlining**

Transport accounts for **just over a third** of Scotland's total greenhouse gas emissions

Car is the most emitting transport mode at **39%**, with goods vehicles contributing 25%



Prioritising Sustainable Transport

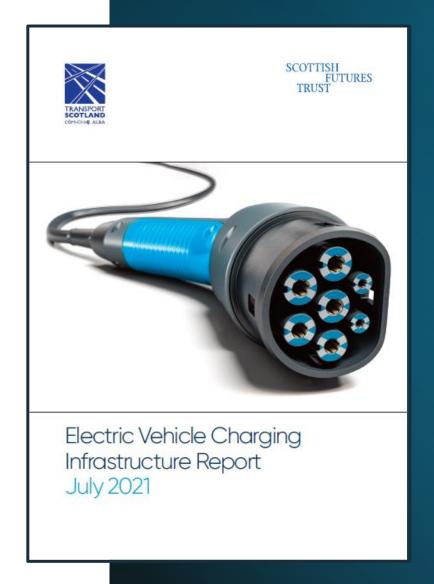


What is the Scottish Government's response?

- Reducing private car km by 20% by 2030
- Phasing out of the need for new petrol and diesel cars and vans by 2030
- Removing petrol and diesel cars from the public sector fleet by 2025
- Supporting a full transition to zero emission medium and heavy-duty vehicles by 2040
- Accelerating deployment of EV charging infrastructure

Emerging Challenges and Opportunities

- Leverage Private Investment & Expertise
- Mixed Economy Models
- Access across all of Scotland
- Maintain a consumer-focused approach
- Develop guidance and shared learning
- Review pricing polices and tariffs
- Collaboration with Distribution Network Operators
- Continued engagement with OFGEM



Draft Vision for Scotland's Public EV Charging Network



ransport.gov.scot

A Network Fit For The Future: Draft Vision for Scotland's Public Electric Vehicle Charging Network

- People have access to a well-designed and comprehensive public network of charge points.
- The public electric vehicle network works for everyone regardless of age, health, income or other needs.
- Scotland has attracted private sector investment to grow the public electric charging network, ensuring it meets the needs of all people.
- The public charging network is powered by clean, renewable energy and drivers benefit from advancements in energy storage, smart tariffs and network design.
- People's first choice wherever possible is active and public transport with the location of electric vehicle charging points supporting those choices.

Private Sector & Investment Priorities

Working with investors, charge point network operators and other parties to **provide access to Chargeplace Scotland data**; creating an enabling environment to **support investment in public charge points**

Enabling **new models of public electric vehicle charge point financing and delivery**, focused on **public and private partnerships**, to support and coordinate investment

Ensuring **public funds are targeted** at areas where commercial investment is unable to fully deliver; using public procurement to **deliver an affordable, reliable and well-maintained network** of charge points across Scotland

Working with Scotland's enterprise and skills agencies to **realise supply chain opportunities** from electric vehicles and infrastructure in Scotland

The ChargePlace Scotland Network now provides over 2000 public charge points.

It supported almost 783,000 charging events in 2020.



In October 2021 there were 49 public charge points per 100,000 people in Scotland.

There were also 12.5 public rapid charge points per 100,000 people – higher than anywhere else in the UK.



21.4%

of all new car sales in December 2021 in Scotland were electric

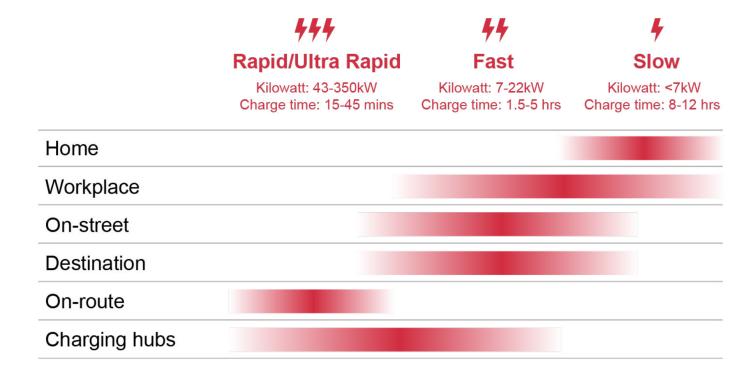


Plug-in Car Forecasts - Scotland



Infrastructure Type

Supply vs Demand



Source: Electric Vehicle Charging Strategy for Wales

What could the future look like?



Home Charging



On-street Charging



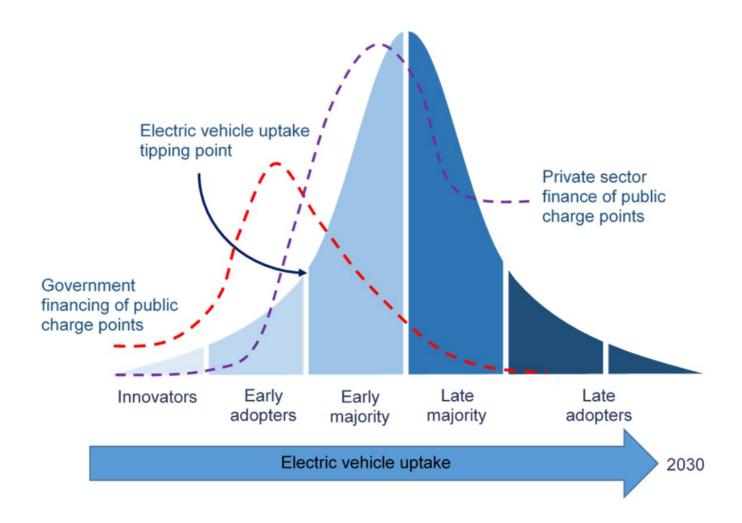
Workplace Charging



Destination, On Route & Charging Hubs



Accelerating Commercial Investment



Transition to a new programme

Moving away from 100% public capital grants

Creating the conditions to make Scotland "investable", commercialising existing and future EVI

Tariffs for local authority owned and operated EVI

Piloting new delivery models

£60M fund announced in January – half provided via private sector

SFT to support local authorities with this transition

Engagement with private sector and thinking commercially will be key to its success

