



Electric Vehicles in East Dunbartonshire



sustainable thriving achieving

East Dunbartonshire Council

www.eastdunbarton.gov.uk



Contents

Why switch to an electric vehicle?	3
Growth in ownership in East Dunbartonshire	4
What is currently driving growth?	5
What else will drive growth in the future?	6
The East Dunbartonshire Charging Network	7
The public charging network 2015-2020	8
Growing and improving the public charging network	9
What will the network look like?	10
Further information and help	11





Why switch to an electric vehicle?

Climate change

At 37%, transport is the largest sectoral emitter of greenhouse gas emissions in Scotland. Emissions from petrol and diesel vehicles are therefore damaging to the environment, in particular a direct threat contributing to global climate change.

Local environment

Emissions from road vehicles such as Nitrogen Dioxide (NO₂) and small particulate matter also adversely affect local air quality, which can have a disproportionately negative effect on more vulnerable groups in society. Electric vehicles produce zero emissions from the exhaust and reduced levels of particulate matter. However, particulate matter is still produced by wear and tear of tyres and brakes. During the COVID-19 pandemic, reduced levels of local motor traffic during lockdown has resulted in improved local air quality.

Save money on running costs

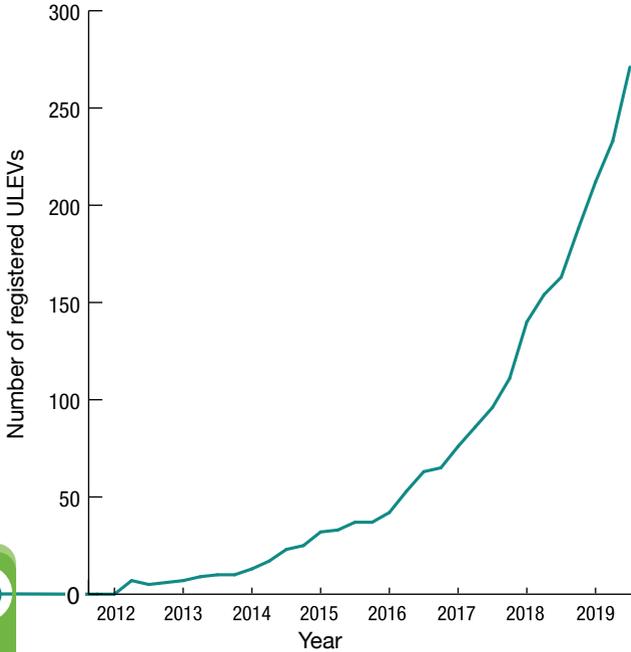
The cost of charging a plug-in hybrid electric vehicle can be much lower than the cost of filling a conventional petrol and diesel vehicle, and with less moving parts there is often lower maintenance costs with electric engines.





Growth in ownership in East Dunbartonshire

The Department for Transport records the number of registrations of Ultra-Low Emission Vehicles (ULEVs). ULEVs can range from plug-in hybrid vehicles to fully electric vehicles. The graph below shows the increase in ownership in East Dunbartonshire since 2011.



3,000+

If growth continues at the rates recorded over the past decade, there will be over **3,000** ULEVs registered in East Dunbartonshire by 2025

On average, the number of registered ULEVs in East Dunbartonshire grew by **14%** every quarter since 2011. This surpasses the average UK level (**10%**) and Scottish level (**12%**)

14%



What is currently driving growth?

Environmental concerns

A desire to stop polluting the local environment by switching away from petrol and diesel engine vehicles.



Economic benefits

Financial savings to the driver from running costs.



Promotions and initiatives

The Scottish Government has been working with local authorities and other public bodies to grow the ChargePlace Scotland network to over 1,000 public charge points.



Financial grants and loans are available through the Energy Saving Trust, including:

- Electric vehicle loan – an interest-free loan of up to £35,000 to cover the cost of purchasing a new purely electric vehicle
- Low Carbon Transport Business Loan – this scheme allows businesses to also secure an interest-free loan
- Domestic charge point funding – currently available to help meet the cost of home charge points for electric vehicles
- The Plugged-in Households Grant Fund – which allows groups in Scotland to apply for funding to procure the services of a zero-emission car club vehicle for use by their tenants and the wider local community.

Choice of cars

The choice of different electric vehicles on offer in the market is continuously rising with more manufacturing companies offering their own individual models.





What else will drive growth in the future?

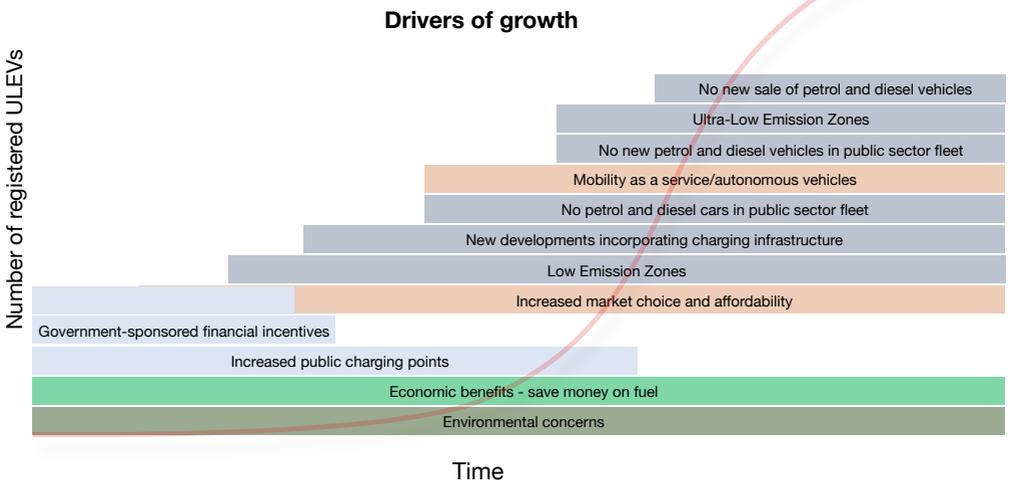
Future policies and initiatives

- Electric vehicle charging infrastructure in new developments.
- Public sector fleet – moving away from the use of petrol and diesel vehicles.
- Low Emission Zones – areas which restrict access to the most polluting vehicles to improve local air quality. These zones will be created in Scotland’s four largest cities.
- The Scottish Government has pledged to phase out the need for new petrol and diesel cars by 2032.
- In 2020, the UK Government consulted on plans to end the sale of new petrol, diesel and hybrid vehicles by 2035.

New travel choices

- Developing technologies and innovation may increase use of electric vehicles.

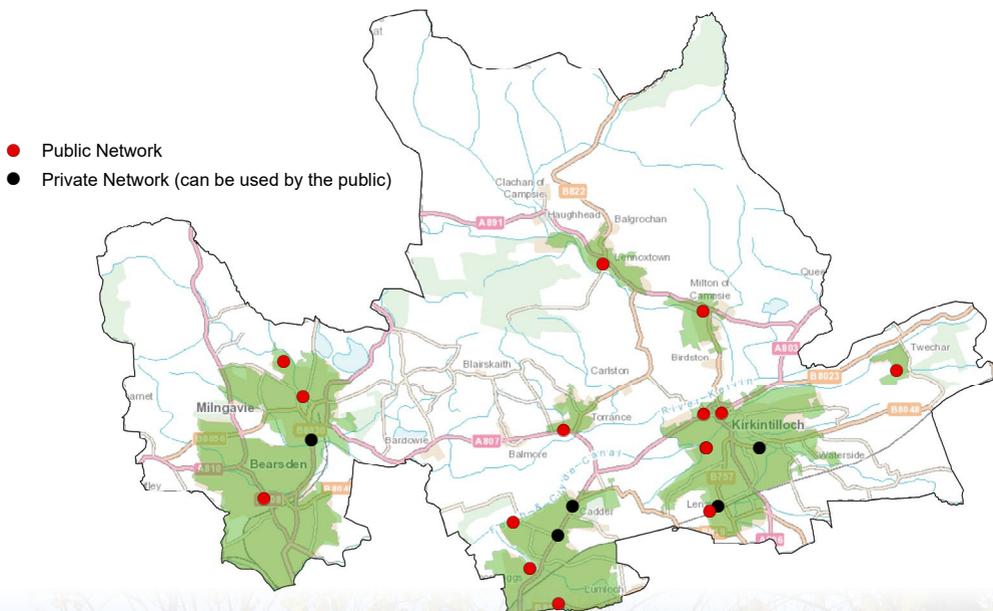
The following diagram illustrates an indicative timeline of when the drivers of growth may have an effect on the number of registered ULEVs in East Dunbartonshire.





The East Dunbartonshire Charging Network

To facilitate and serve this growth in ULEVs in East Dunbartonshire, the Council has been working in partnership with Transport Scotland and ChargePlace Scotland to grow the public charging network since 2015.





The public charging network 2015-2020

Location	Type
Alexandra Avenue, Lenzie	Fast
Beech Road, Auchinairn	Fast
Birdston Road Car Park, Milton of Campsie	Fast
Cloberfield, Milngavie	Fast
Donaldson Street East, Kirkintilloch	Fast
Donaldson Street West, Kirkintilloch	Fast
Eastside, Kirkintilloch	Fast
Kenmure Drive Car Park, Bishopbriggs	Slow
Leisuredrome	Rapid / Fast
Main Street, Lennoxtown	Fast
Mugdock Road Car Park, Milngavie	Fast
Queens View, Torrance	Fast
Roman Road Car Park, Bearsden	Fast
Healthy Living and Enterprise Centre, Twechar	Fast
William Patrick Library	Rapid



Each session lasted
1 hour and 45 minutes
on average



From the period
2015-2019, there
were

13,929
charging sessions
across 14 sites



Each session drew
on average just over

10 kWh
units of electricity



Growing and improving the public charging network

To grow and improve the network, the Council will:

- Continue to generate funding to increase the number of public charge points. The table below shows indicative locations – multiple charge points may be added to locations listed below as well as existing locations.
- Work to create enforcement powers so that the use of charging bays can be regulated to provide users with the most effective network possible
- Require electric charge points to be installed in new developments through planning policy
- Assess options for introducing a small tariff for use of the network in order to ensure the network remains an attractive public asset.

Location	Type
Allander Sports Centre	Rapid / Fast
Baljaffray	Fast
Barleybank Car Park, Kirkintilloch	Fast
Bearsden, Milngavie and Westerton Stations	Slow
Bearsden Town Centre	Rapid / Fast
Hillhead Community Centre	Fast
Kenmure Drive Car Park, Bishopbriggs	Rapid / Fast
Kirkintilloch Leisure Centre	Fast
Low Moss Industrial Estate	Fast
MacFarlane Road (near Kessington Hall), Bearsden	Fast
Mugdock Road Car Park	Rapid / Fast
William Patrick Library	Rapid / Fast

These locations will be subject to further review including available land and power supply.





Further information and help

There are a number of sources of further information should you wish to know more about the public charging network in East Dunbartonshire or information and help for becoming an electric vehicle owner:

The Council webpage includes information on the current network and new installations.

www.eastdunbarton.gov.uk/electricvehicles



ChargePlace Scotland is Scotland's national electric vehicle charging network. Its website contains a live map of the network, showing information on charge point availability, tariffs and information on how you can access the network.

www.chargeplacescotland.org/



Energy Saving Trust is an organisation which provides information and services to help people save energy. The Energy Saving Trust in Scotland administers a number of electric vehicle incentives, funded by Transport Scotland, including an Electric Vehicle Loan scheme and Plugged-in Households.

www.energysavingtrust.org.uk/scotland



Other formats and translation

This document can be provided in large print, Braille or in audio format and can be translated into other community languages. Please contact the Council's Communications Team at: East Dunbartonshire Council, 12 Strathkelvin Place, Southbank, Kirkintilloch, G66 1TJ
Tel: 0300 123 4510

本文件可按要求翻譯成中文，如有此需要，請電 0300 123 4510。

اس دستاویز کو درخواست کر کے اردو، پنجابی، گجراتی، سندھی، پشتو، بنگالی، فارسی اور دیگر زبانوں میں بھی فراہم کیا جاسکتا ہے۔ اس کے لیے 0300 123 4510 پر رابطہ کریں۔

ਇਸ ਦਸਤਾਵੇਜ਼ ਨੂੰ ਮੰਗ ਕਰਨ ਤੇ ਪੰਜਾਬੀ ਵਿਚ ਅਨੁਵਾਦ ਕੀਤਾ ਜਾ ਸਕਦਾ ਹੈ। ਕਿਰਪਾ ਕਰਕੇ 0300 123 4510 ਕੌਲ ਕਰੋ।

Gabhaidh an sgriobhainn seo cur gu Gàidhlig ma tha sin a dhìth oirbh. Cuiribh foin gu 0300 123 4510

अनुवाद करने पर यह दस्तावेज हिन्दी में भाषानंतरित किया जा सकता है। कृपया 0300 123 4510 पर संपर्क करें।

