

3rd Environmental Sustainability and Climate Change Strategy 2021-2023

EV Strategy
(2021 – 2025)

8 March 2021



North Ayrshire Council
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Background

- **2014:** First North Ayrshire Environmental Sustainability & Climate Change Strategy (2014-17)
- **2017:** Second Environmental Sustainability & Climate Change Strategy (2017-2020)
- **June 2019** North Ayrshire Council Climate Emergency Declaration. Council committing to further act on Climate Change and aspire to achieve net-zero carbon emissions by 2030.
- **September 2020** North Ayrshire COVID-19 Economic Recovery and Renewal Approach, which sets out a local Green New Deal for North Ayrshire to build back better, fairer and greener-

Twin priorities of a North Ayrshire Green New Deal

1. Ensure an inclusive economic recovery by delivering our Community Wealth Building mission;
2. Ensure a green economic recovery focused on achieving our net zero carbon ambitions through the creation of sustainable infrastructure and regeneration projects and creating fair jobs.

Achievements and Successes



Resources



- NAC £8.8m Investment Fund to support **climate change, sustainable infrastructure investment and Community Wealth Building.**
- Part of this investment (£500,000) allocated to **tree planting**
- HRA Capital Investment Programme for 2021/22 with **£5m** investment in regeneration projects and sustainability measures, **to reduce fuel poverty.**

- **January 2020**, Cabinet approved the development of a **solar PV farm** on former landfill site which will require an estimated total investment of **£6.768m.**



- **February 2020**, Cabinet approved **£500k Green Jobs Fund**

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Environmental Sustainability & Climate Change Strategy 2021-23

ESCC 3 (2021-2023) establishes a new target: **to reduce and remove emissions for North Ayrshire to achieve net-zero carbon status by 2030.**

Aims to:

- **Inspire** positive low carbon behaviour, raising awareness of the **sustainability and climate change agenda**
- **Maximise access** to affordable renewable energy technology
- **Support** sustainable transport
- **Design and utilise** our natural and built assets **sustainably**
- **Support local businesses** to deliver services sustainably **through our Community Wealth Building Strategy**

Environmental Sustainability & Climate Change Strategy 2021-23

**Affordable
Warmth**

A Green Economy

**Transport and
Travel**

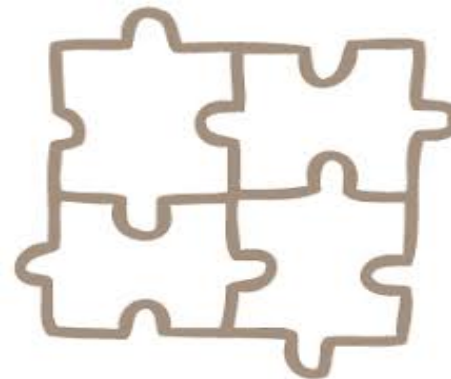
**Natural
Environment**

**Sustainable
Operations**

**The third ESCCS
includes two new
work streams**

**Climate Change
Adaptation**

**Emissions
Absorption**



Seven workstreams, each with actions which have been developed into a roadmap illustrating how net-zero Carbon status will be achieved by 2030.

Environmental Sustainability & Climate Change Strategy 2021-23

Affordable Warmth

A Green Economy

Transport and Travel

Natural Environment

Sustainable Operations

Climate Change Adaptation

Emissions Absorption

What we would like to achieve?

- Reduced number of households in Fuel Poverty
- Reduced area wide carbon emissions (by percentage)
- Increased number of electric charge points in North Ayrshire
- Reduced miles driven (by percentage)
- Secure, clean and biologically diverse natural environment monitored through Scottish performance indicators
- Reduced Council estate and area wide emissions (by percentage)
- Increased number of trees planted in North Ayrshire
- Reduced area wide carbon emissions (by percentage)
- Completed Adaptation Scotland's Framework for a Climate Ready Public Sector
- Enhanced flood resilience monitored through the Local Flood Risk Management Plan Indicators

Environmental Sustainability & Climate Change Strategy 2021-23

Key actions under each Workstream are detailed in our Net Zero Carbon Roadmap

The ESCCS will continue to evolve and will again be refreshed with a fourth ESCCS 4 being developed which will then cover the years 2024-2026 to build upon the successes of previous iterations as we continue our journey towards net-zero carbon emission by 2030.



		Objective <i>What we would like to achieve?</i>	Action <i>How we will achieve this objective?</i>	Timescale <i>When the action should be completed by?</i>	Lead <i>Who is the Project Owner?</i>	Progress Update <i>Status for an activity or other element of the action/project</i>
Workstream 1 – Affordable Warmth	Reduced number of households in Fuel Poverty		a) Implement external wall insulation for domestic properties, to reduce carbon emissions and provide energy savings b) Investigate the potential for and funding sources to develop our approach to affordable net zero energy retrofits	Annually until March 2023	Physical Environment	
			a) Ensure that affordable, energy efficiency homes built under the Council's housing development programme are built to the Greener Standard or equivalent, maximising renewable energy and heat network capability b) Establish minimum standard for heating and local renewable supply where possible c) Seek to prioritise building new properties to a high energy efficiency (e.g. Passivhaus and EnerPHit Standards)	Ongoing	Physical Environment	
			Develop and implement an overarching Local Heat and Energy Efficiency Strategy (LHEES) for North Ayrshire, to remove energy efficiency as a driver for fuel poverty	Annually until March 2023	Physical Environment	
			a) Develop heat networks where appropriate b) Work towards renewable / zero carbon heat networks	March 2023	Physical Environment	
			Implement additional phases of domestic solar PV installations	March 2022	Physical Environment	
			Investigate potential use of battery storage for homes	March 2023	Physical Environment	
			Identify fuel poverty alleviation projects through partnership working	March 2023	Physical Environment	
			Raise awareness of low carbon behaviours at home	Annually until March 2023	Physical Environment	
			Develop EV charging programme to facilitate domestic infrastructure, in both new and existing properties Incorporate in the programme: bike storage, eBike charge points and low carbon transport infrastructure which encourage reducing car use	March 2023	Physical Environment	

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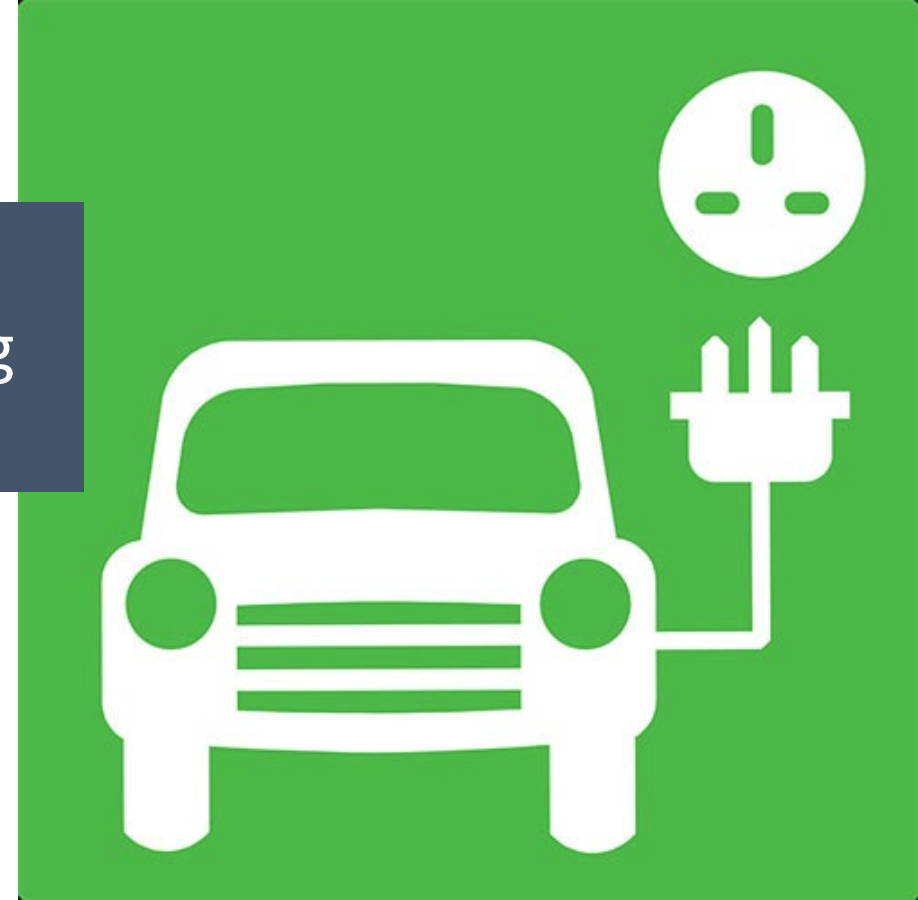
EV Strategy (2021 – 2025)



The North Ayrshire Environmental Sustainability & Climate Change Strategy 2017-20 (ESCCS) included an action to work in partnership with government agencies to explore the potential for further electric charging infrastructure throughout North Ayrshire.

EV Strategy (2021 – 2025)

Aim: to increase the number of EVs being used throughout North Ayrshire by creating a robust network of EV charge points.



- By December 2025, the Council's aspirational target is to have:

One publicly accessible charge point for every nine PiVs*

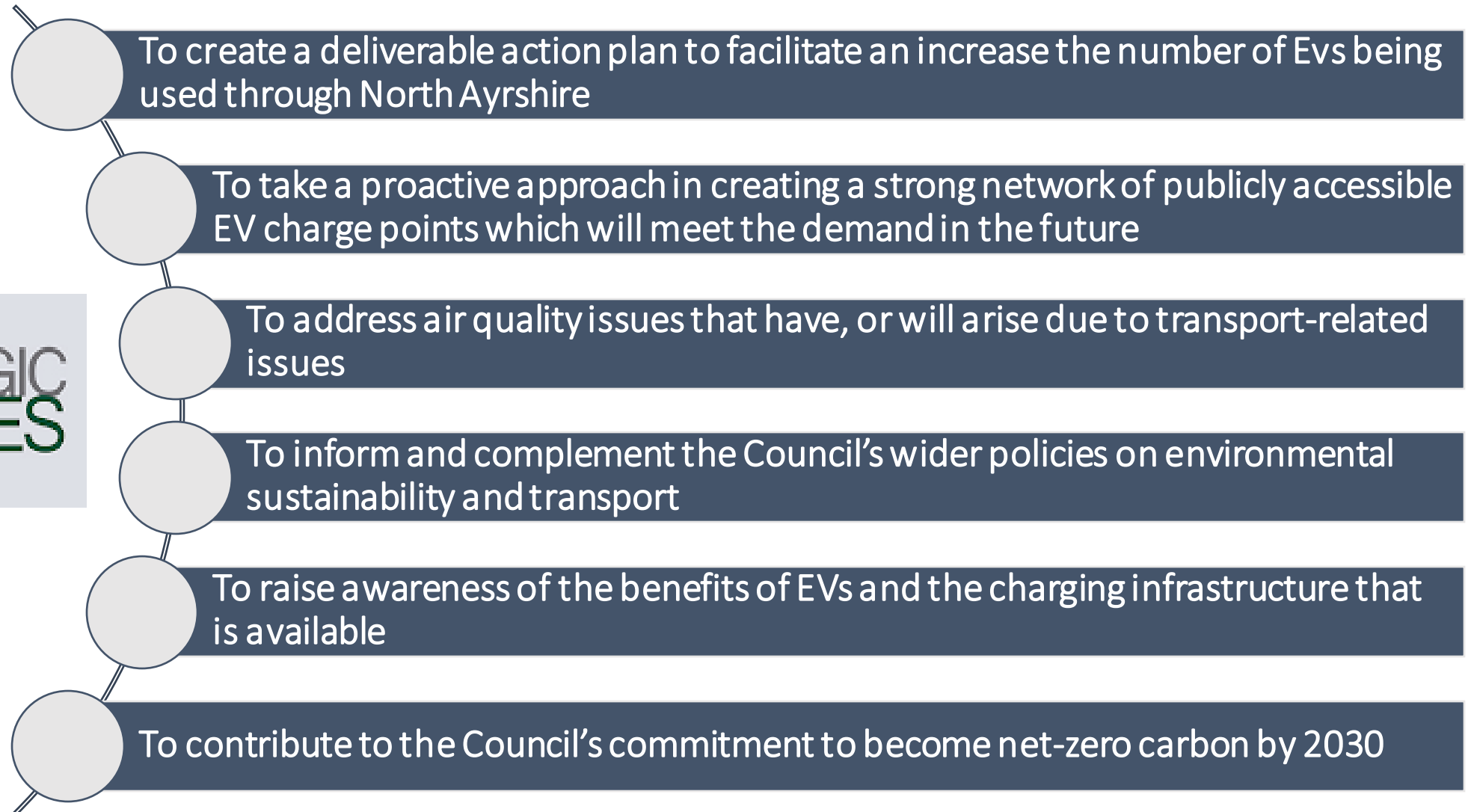
2% of total number of vehicles registered in North Ayrshire to be PiVs

80 workplace charge sockets (40 workplace chargers with dual outlets)

*This target includes both Council owned and privately-owned charge points and is subject to funding.

EV Strategy (2021 – 2025)

STRATEGIC OBJECTIVES



EV Strategy (2021 – 2025)



Thank you



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