



COP26 Scottish Local Government and Partners Leadership Event

Just Transition to Net Zero

Thursday 11 November 2021 09:00 – 12:00 Glasgow



Chair Opening

Cllr Graham Houston

COSLA Vice-President

COP26 Glasgow, November 2021



Running Order – Part One

- 09:05 Welcome – Cllr Alison Evison, COSLA President
- 09:10 International Climate Policy – Cllr Steven Heddle, COSLA Environment and Economy Spokesperson (by video statement)
- 09:20 Minister for Just Transition, Employment and Fair Work – Richard Lochhead MSP, Scottish Government
- 09:30 COP26 City Host – Cllr Greg Hepburn, Glasgow City Council
- 09:40 European City Context – Vice Mayor Benoit Pilet, City of Angers, France
- 09:50 Local Leader Roundtable – facilitated by Cllr Graham Houston
- 10:20 Coffee and Networking Break with Planet Mark Presentation

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Welcome

Cllr Alison Evison

COSLA President

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International Climate Policy

Cllr Steven Heddle

COSLA Environment and Economy Spokesperson

(by video statement)

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Minister for Just Transition, Employment and Fair Work

Richard Lochhead MSP

Scottish Government

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COP26 City Host

Cllr Greg Hepburn

Glasgow City Council

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European City Context

Vice Mayor of the City of Angers, France

Benoit Pilet

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Local Leader Roundtable

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Coffee and Networking Break

with PlanetMark Presentation

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Chair Opening

John Wincott

SSN Chair, Fife College

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Running Order – Part Two

10:45 Climate Change Challenge – Professor Dave Reay, SSN, The University of Edinburgh

10:55 Local Experience – SOLACE Climate Change and Energy Portfolio Lead – Craig Hatton, Chief Executive, North Ayrshire Council

11:00 Minute Silence For Remembrance Day

11:05 Local Experience – Cllr James Stockan, Leader, Orkney Islands Council

11:15 Local Experience – Cllr Mark Flynn, Convener of City Development, Dundee City Council

11:25 Local Experience – Cllr Adam McVey, Leader, Edinburgh City Council

11:35 Local Leader Roundtable, facilitated by John Wincott, SSN Chair

11:55 Summary and Closing Remarks

12:00 Close and Networking Lunch



Climate Change Challenge

Professor Dave Reay

SSN, The University of Edinburgh

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Craig Hatton

SOLACE Climate Change and Energy Portfolio
Lead, Chief Executive of North Ayrshire Council

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Political, strategic and practical aspects of fair decarbonisation

COP26 UK Cities, Regions
and Built Environment Day
11.11.2021

Craig Hatton
SOLACE lead for Climate Change
and Chief Executive of
North Ayrshire Council



North Ayrshire Council
Còrrachd Àir a Tuath



North Ayrshire Council

Delivering our services with

Focus. Passion. Inspiration

Political and Strategic Aspects



Climate Change have been on the international political agenda since the 1990s, and are also increasingly addressed at national and local level. In 30 years time climate change has gone from being a small matter to global priority.



Political and Strategic Aspects



Fair response to climate change

*...taking into account the
...operatives of a just transition
...of the workforce and the
...creation of decent work and
...quality jobs in accordance with
...ationally defined development
...priorities' Paris Agreement
(2015)*



Political and Strategic Aspects



Target 7.1 By 2030, ensure universal access to affordable, reliable and modern energy services

Target 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix

Target 7.3 calls for global progress on energy efficiency by doubling the rate of improvement in energy efficiency globally by 2030.

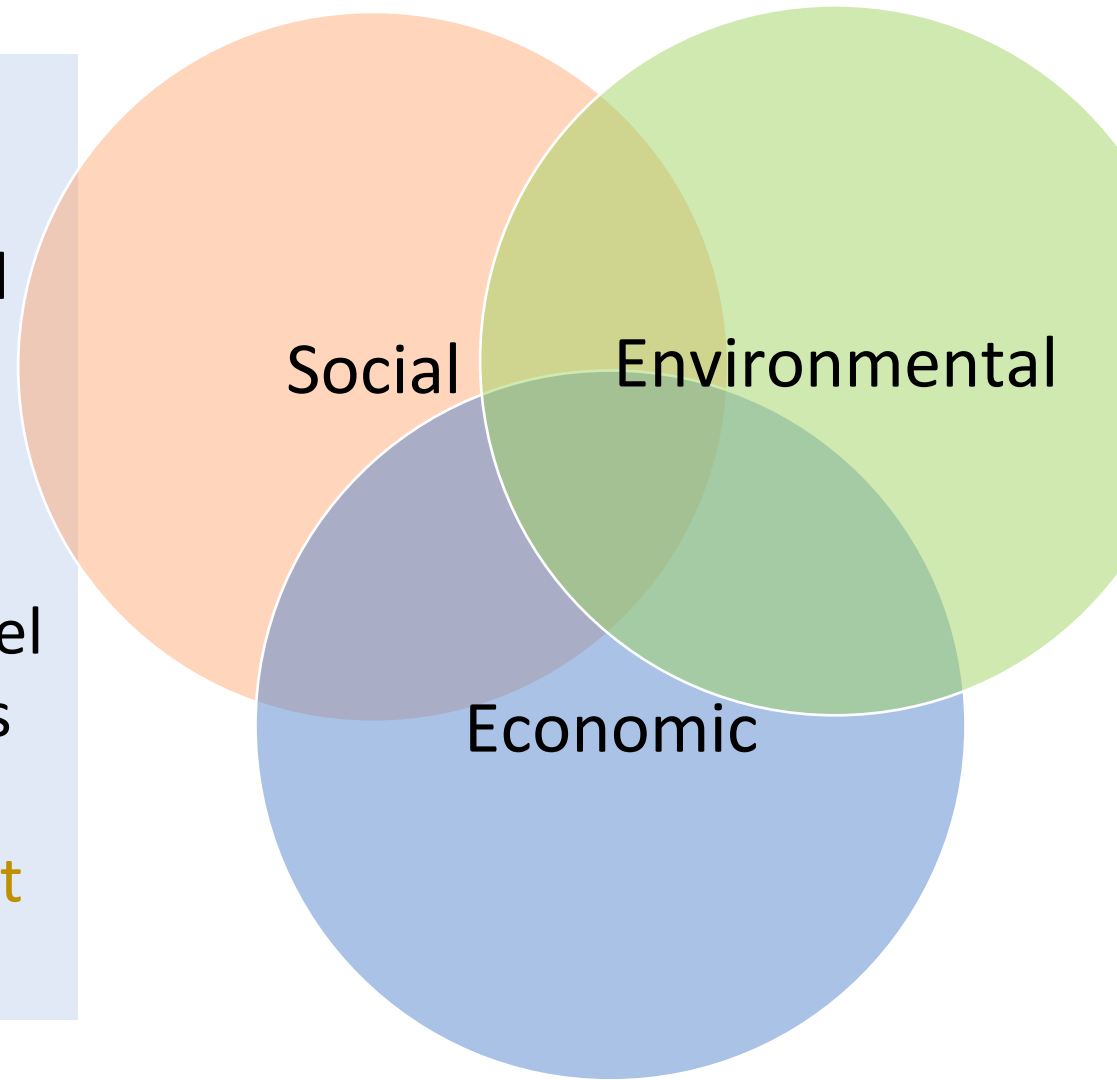


Ensuring fairness in the transition to decarbonisation



COVID-19 has exposed the high levels of inequality that exist in our society and economy, and our approach to recovery and renewal must be inclusive and tackle these inequalities.

Focusing solely on enhancing Gross Domestic Product (GDP) as an output at a national level is not sufficient to recognise the wider levels of economic, social and environmental inequality being across our communities. **Nor will it provide the basis to tackle climate change.**



Ensuring fairness in the transition to decarbonisation



Understanding what the **impacts of transition to decarbonisation** are going to be across communities to ensure **mitigation mechanisms** are in place.



2. Putting in place and delivering **fair and just net zero policies, plans and projects.**

Ensuring fairness in the transition to decarbonisation



Green Recovery

It is essential that our recovery from the pandemic responds to the climate emergency, and puts us on a pathway to deliver our statutory climate change commitments and **a just transition to net zero**, by ensuring our actions in the immediate term are in line with our long-term goals.



'Just transition':

- **Jobs in green industries** like low-carbon manufacturing, renewables, and tech;
- **Homes that are energy efficient** and help to **reduce fuel poverty**.
- **Infrastructure, transport and communities that support efforts to decarbonise**, to **enhance biodiversity** and which are resilient in the face of the impact of climate change that we are already feeling.
- **Making sure the costs do not burden those least able to pay.**

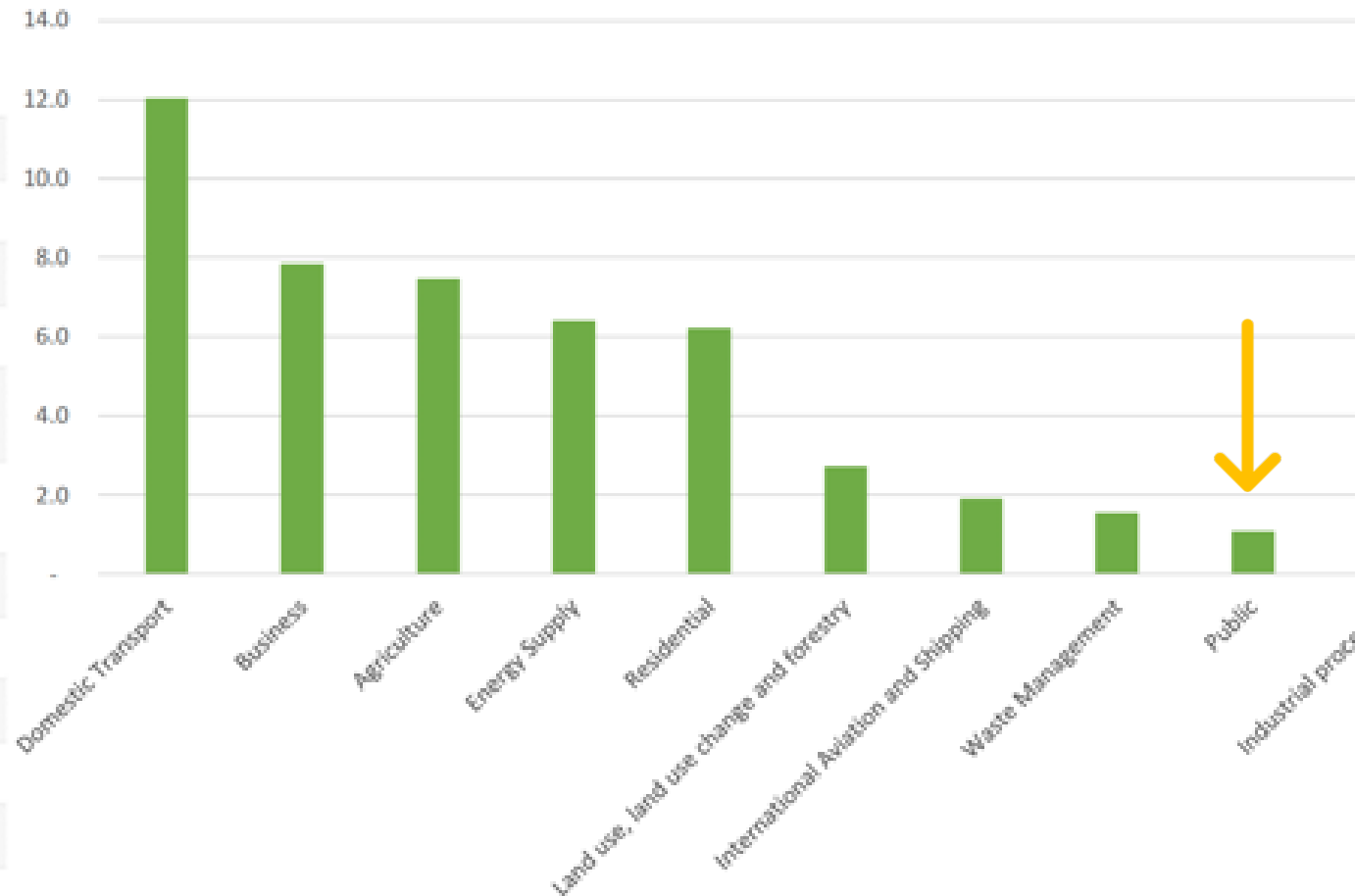
Practical aspects of fair decarbonisation



Scottish Greenhouse Gas Emissions by Gas and by Scottish Source Sector, 2019. Values in MtCO₂e

Source Sector	Carbon Dioxide	Methane	Nitrous Oxide	Fluorinated gases	Total
Electricity	1.1	4.1	2.2		7.5
Manufacturing and construction	6.7	0.0	0.1	1.1	7.9
Energy Supply	6.0	0.4	0.1		6.4
Industrial Processes	0.5	0.0	0.0	0.0	0.5
International Aviation and Shipping	1.9	0.0	0.0		1.9
Land Use Change and Forestry	-1.7	3.2	1.2		2.7
Buildings	1.1	0.0	0.0		1.1
Waste	6.0	0.1	0.0	0.1	6.2
Land use, land use change and forestry	11.9	0.0	0.1		12.0
International Aviation and Shipping	0.0	1.4	0.1		1.5
Total	33.5	9.2	3.8	1.2	47.8

Sources of Scottish Greenhouse Gas Emissions, 2019 (Values in MtCO₂e)



Practical aspects of fair decarbonisation



Collaboration

We cannot achieve climate change goals alone - we need to work together. Holistic and collaborative efforts across all sectors in Scotland are needed if we want to succeed in realising a better future.



The need to work together and scale up action like never before.

Practical aspects of fair decarbonisation



Role for Local Authorities – What we can do?

Effective use of powers in areas like:

- procurement,
- planning,
- housing,
- education and
- transport

to help drive carbon reductions and achieve net zero target in a way that's fair and leaves no one behind

Practical aspects of fair decarbonisation



What you can do for businesses - What You do to help us?



Local Authorities and businesses across Scotland must work together if we are to meet our net zero target by 2045 in a way that's equal, fair and creates new opportunities.

Practical aspects of fair decarbonisation

THIS IS NORTH AYRSHIRE

Air and just transition initiatives



Ambitious Climate Change Commitment:

In June 2019 North Ayrshire Council declared a Climate Emergency, committing to further act on Climate Change and to aspire to achieve net-zero carbon emissions by 2030.

In May 2021 Cabinet approved the third Environmental Sustainability & Climate Change Strategy 2021-2023.



Air and just transition initiatives



Challenges:

Least industrial region in a coastal location on the West Coast of Scotland with a declining population of around 5,000 people. Identified as the 'least resilient' economy in Scotland by Scottish Government. One of the highest rates of unemployment, economic inactivity and child poverty in the country. 10% of households in North Ayrshire suffering from fuel poverty (SHCS, Feb 2021)

A fair and just transition is crucial for effective climate action



Air and just transition initiatives



The solar farms are set to generate almost two-thirds of the Council's energy needs and reduce CO₂ emissions by over 850 tonnes per year

Two solar PV farms will help to reduce North Ayrshire's carbon footprint and help NAC to become one of the first local authorities in the country to reach net-zero carbon emissions within the next decade.

Being developed on former derelict land at Nethermaines Shewalton, the solar PV farms provide funding for local community projects.

Air and just transition initiatives



As part of an ongoing commitment to tackle fuel poverty, North Ayrshire Council has retrofitted solar PV systems to (so far) 437 domestic properties.

Solar panels are being installed at no charge to the tenant, providing free electricity during the day and saving around £115 in costs per year.

Air and just transition initiatives



Cunninghame
furniture
recycling

Helping furniture reuse
work for you



National award-winning Bulky Waste Re-use Partnership with Cunninghame Furniture Recycling Company (CFRC)

Project aims:

Collect and divert reusable resources (furniture and white goods) from landfill

Assist local families to furnish their homes; and

Provide employment and training opportunities for unemployed residents in the area.

In numbers:

- 133 tonnes of material diverted from disposal in 2019/20,
- currently provides 15 training and employment opportunities, whilst supporting residents in securing home furnishings.



Air and just transition initiatives



The Green Jobs Fund aims to support the just transition in North Ayrshire

Fund will help businesses and community organisations to adopt innovative practices and models including circular economy approaches and renewable energy, reduce business energy costs, upskill and retrain business and their employees, at a time when it is needed most.

Helping local businesses to adapt their processes and business models to support industrial decarbonisation and meet net zero targets.

Air and just transition initiatives



INVESTMENT

Hunterston

As part of the **Ayrshire Growth Deal**, up to £18 million UK Government investment will **establish Centre for Research into Carbon Energy and the Circular Economy**.

Providing high value jobs
new innovation capacity
the green, blue and circular
economies

Practical aspects of fair decarbonisation



Role for Central Government



Scottish Government is a key enabler, who can empower Councils and businesses to advance actions in tackling climate change by:

- Ensuring national policies support councils and private sector action to respond to climate change.
- Committing funding over the medium to long term to support low carbon and climate resilient development. The incentives must provide clear, consistent and lasting direction to ensure we can invest in low carbon and climate resilient infrastructure.
- Mitigating risk - helping low carbon industry by supporting development of the low carbon production market, to avoid (financially) impacting end-consumers.
- Supporting market capacity – helping Scottish distribution network operators to ensure that electricity supply continues to meet demand and support the transition to net zero.

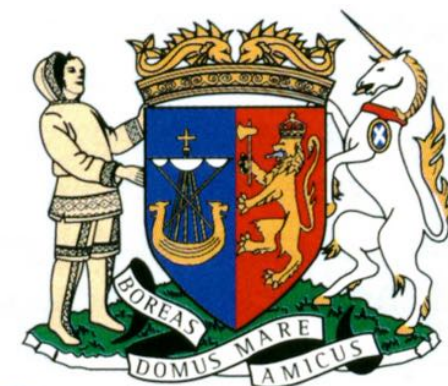
Thank you for listening



Cllr James Stockan

Orkney Islands Council Leader

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ORKNEY
ISLANDS COUNCIL



Energy of
ORKNEY



1951 - 2001

1951 - First deployment in the UK of a grid connected wind turbine at Costa Head

1984 – Orkney now home to the largest wind turbine in the world

1987 – 2001 - A series of wind turbines were tested on Bugar Hill, producing results that contribute to the development of the wind energy sector.

1989 - Heriot Watt University establishes the International Centre for Island Technology, Orkney Campus in Stromness



2001 - 2005

2001 - Orkney chosen as the base for the European Marine Energy Centre (EMEC), a first for the marine renewables industry globally

2003 - EMEC real sea wave test site established in Orkney

2004 - Pelamis successfully generates electricity to the grid and the First locally owned wind turbine erected.

2005 - EMEC's test tidal site is established in Orkney.



Energy of
ORKNEY



2006 - 2014

2006 - Scotland's first commercial scale tidal energy device, successfully installed by MEC

2008 - Orkney at the forefront of community wind power, with applications for 6 community wind turbines

2013 - Orkney becomes a net electricity exporter, producing 103% of its electricity needs from local renewables (now 130%)

2014 - Orkney Islands Council invests in three significant harbour developments at Hatston, Coplands Dock and Lyness



Energy of
ORKNEY

2016 - 2021

2016 - Funding gained to utilise curtailed electricity for transport and heating demonstration projects

2018 - Orkney Research and Innovation Campus established

2019 - ReFlex project commences

2020 - £100m Islands Deal announced including an Orkney hosted Islands Centre for Net Zero

2021 - Planning applications submitted for Orkney's Community Wind Farm Project.



Energy of
ORKNEY





Cllr Mark Flynn

Convener of City Development
Dundee City Council

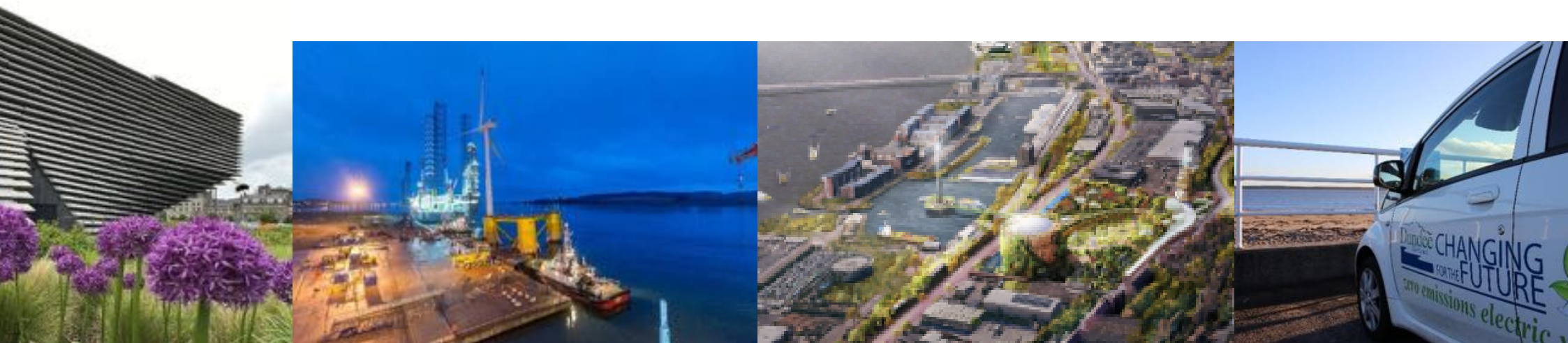
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Dundee City Council - Transition to Net-Zero

Scottish Local Government and Partners Leadership Event - Just Transition to Net Zero

11th November 2021



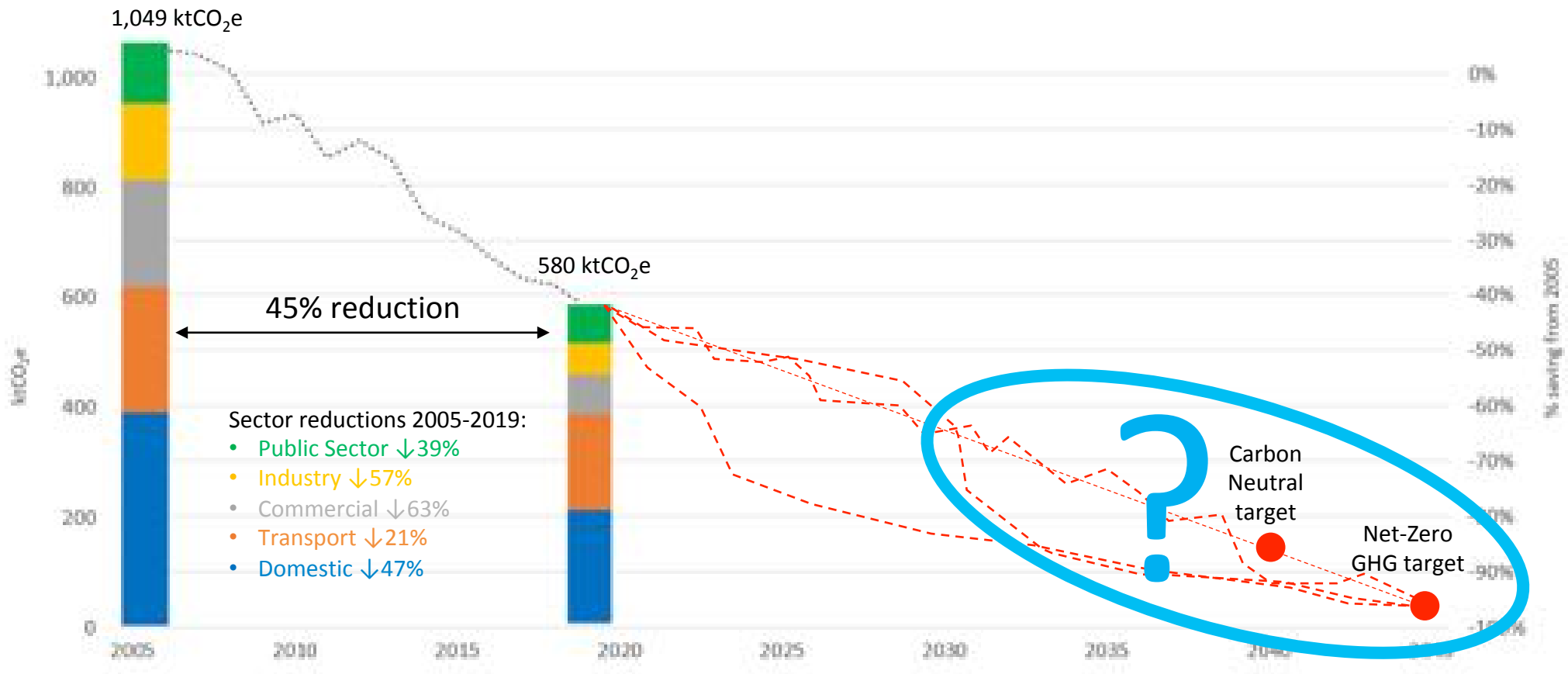
Dundee Climate Action Plan



- Climate Emergency declared on 24th June 2019 .
- City target of working towards net-zero greenhouse gas emissions by 2045 sooner.
- Co-designed process with over 50 public, private and community organisations.
- Informed by a Baseline Emissions Inventory, Climate Risk & Vulnerability Assessment and statutory Strategic Environmental Assessment.
- Launched 4th Dec 2019



Our challenge of meeting net-zero



- Domestic
- Transport
- Commercial
- Industry
- Public sector
- Total Emissions 2005 - 2019
- Pathways to Net-Zero target



Dundee Climate Leadership Group



**Dundee Climate
Leadership Group**

Inaugural meeting held in April 2021

Chair and Depute Chair appointed; Terms of Reference agreed; bi-monthly meetings

Operating principles to work within the objectives of Dundee Climate Action Plan and strategic vision of Dundee Partnership (Community Planning Partnership)

Targeted action on decarbonise heat from buildings and transport.

External Specialists to be invited attend as required to provide advice, information or support

Reporting via Dundee Partnership

Abertay University
Creative Dundee
DC Thomson
Dundee Climate Action Network
Dundee City Council
Dundee Heritage Trust
Hillcrest Homes
Michelin Scotland Innovation Parc
NHS Tayside
Robertson Group
Scottish Gas Networks
Scottish and Southern Electricity Networks
Scottish Water
University of Dundee

Dundee – Scotland's EV City

In Dundee, we pride ourselves on being Scotland's leading city in the adoption, promotion and operation of electric vehicles.

- First launched 100% EV's into Council Fleet in 2011 with 4 cars and chargers at one depot.
- 170 EV's now in fleet (one of the largest in the UK).
- Aim to have all Council cars, small and medium vans fully electric by the end of 2023.
- 134 fully electric taxis operating in Dundee.
- With 20 x 50kW public chargers, 36 x 22kW public chargers, 25 x 7kW public chargers and 26 x 7 pop up chargers. Dundee prides itself on having different options and solutions when it comes to chargers.
- 3 rapid charging hubs with the 4th due to start later this year. The 4th hub will have: 1 x 150kW, 5 x 50kW, solar canopies and battery storage.



Electric HGVs

In 2020, the council have recently introduced 6 x electric RCV's from Dennis Eagle, Orion E Mellor minibuses and 2 x pure electric Johnston sweepers. These will form part of the ongoing replacement program which is carried out on a cost and condition basis as described in the council's Asset Management Plan. These vehicles will predominantly be used in the city centre and main population hubs.

Dundee City Council asked the public to name the new electric HGVs leading to the following new names for the vehicles:

- Bin Diesel (RCV)
- Victoria Volt (RCV)
- Dr Watts (RCV)
- Lightning McClean (sweeper)
- Leonardo Di Charge-io (RCV)
- Albert Amp (RCV)
- Sherlock Ohms (RCV)
- Meryl Sweep (sweeper)

This upcoming project represents a significant advancement of the EV uptake in Scotland which is shifting the emphasis away from cars and small vans into the larger and more polluting HGV's.

By making this switch we will see 20,000kg of carbon dioxide (CO₂) being saved – per vehicle. Once all 36 lorries in the fleet are electric, this will equate to 720,000kg of CO₂ saved from being released into the atmosphere.



/ Multi-Storey car parks

Multi-storey EV charging hub project awarded funding in June 2018

Part of the Low Carbon Travel and Transport Challenge Fund established by Transport Scotland from funds awarded by the ERDF programme and Transport Scotland funding to support an increased proportion on ultra-low emission vehicles on Scotland's roads.

Each hub consists of either 10 x 7kw or 22kw chargers all with controller-receiver technology, energy storage with either solar canopies across the bays or a solar array along the carpark.

Much of the city centre housing in Dundee consists of tenements and multi-storey flats. Except for a limited provision of private car parks linked to flats, these are residential areas where dedicated off street parking is often not an option.



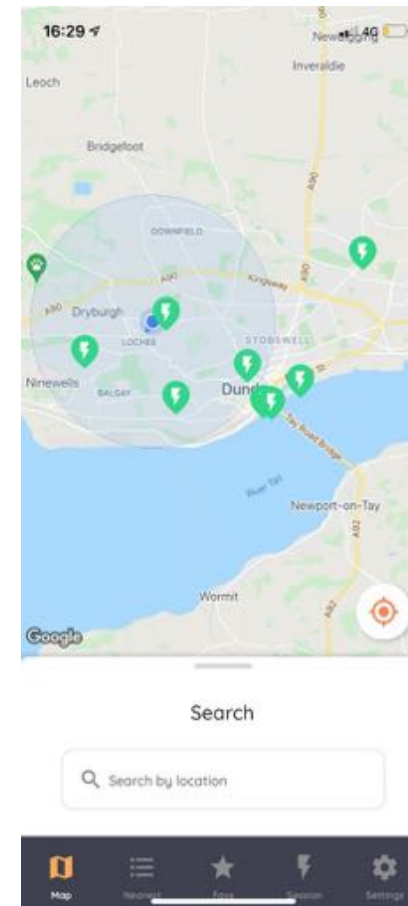
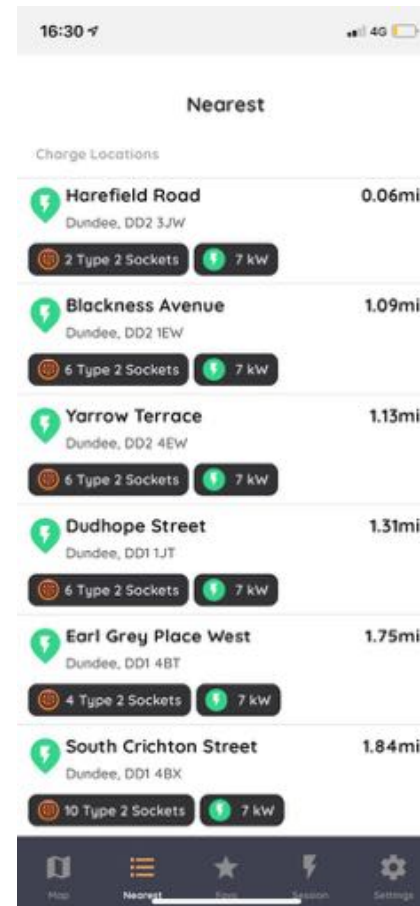
Clean Streets – Innovate UK

Research and innovation investment by Office for Low Emission Vehicles (OLEV) and Innovate UK in a two-phase competition for innovation projects.

Goals:

Develop business cases and deploy new approaches to electric vehicle (EV) charging.

Deploy trial innovative pop-up Electric Vehicle chargers that are built into the ground and only rise up when in use, providing a safe and discreet charging solution for EV drivers who don't have access to off-street parking.



Michelin Scotland Innovation Parc



- Michelin Scotland Innovation Parc (MSIP) integrated energy park deploying hydrogen fuel buses, fleet vehicles and hydrogen refuelling infrastructure with energy being derived from renewable technologies.
- Advance commercialisation of hydrogen fuel cell buses through large-scale deployment of vehicles and infrastructure.
- 12 new hydrogen buses would be operational in Dundee as part of the JIVE project (Joint Initiative for Hydrogen vehicles across Europe).
- Creation of a hydrogen refuelling station utilising green on-site energy generation for electrolyser.

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Cllr Adam McVey

Edinburgh City Council Leader

COP26 Glasgow, November 2021



Local Leader Roundtable

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Summary and Closing Remarks

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Thank you

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COP26 is well underway and COSLA has been