



North Tyneside Council

Environment Sub Committee

Monday 7 November 2022

Tuesday, 8 November 2022 0.02 Chamber - Quadrant, The Silverlink North, Cobalt Business Park, North Tyneside, NE27 0BY **commencing at 6.00 pm.**

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4. The role of Nature Based Solutions, Carbon Offsetting and Insetting in a Net Zero Plan	3 - 14

To receive a presentation which will explain nature based solutions and how they have been embedded in the Authority's Net Zero Plan.

Circulation overleaf ...

Members of the public are entitled to attend this meeting and receive information about it. North Tyneside Council wants to make it easier for you to get hold of the information you need. We are able to provide our documents in alternative formats including Braille, audiotape, large print and alternative languages.

Members of the Environment Sub Committee

Councillor Davey Drummond (Chair)

Councillor Gary Bell

Councillor Brian Burdis

Councillor Margaret Hall

Councillor Gary Madden

Councillor Pam McIntyre

Councillor Martin Murphy (Deputy Chair)

Councillor Linda Bell

Councillor Michelle Fox

Councillor Chris Johnston

Councillor Louise Marshall

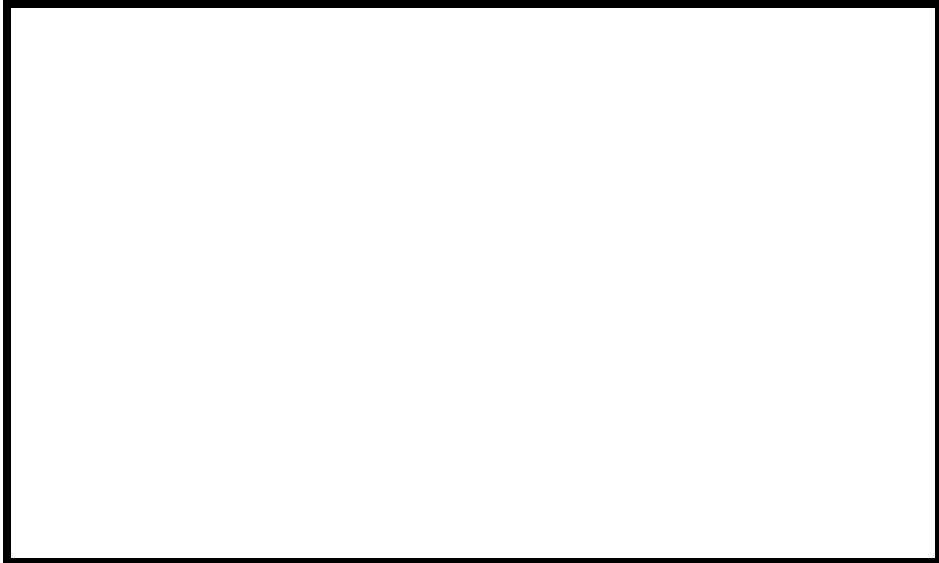
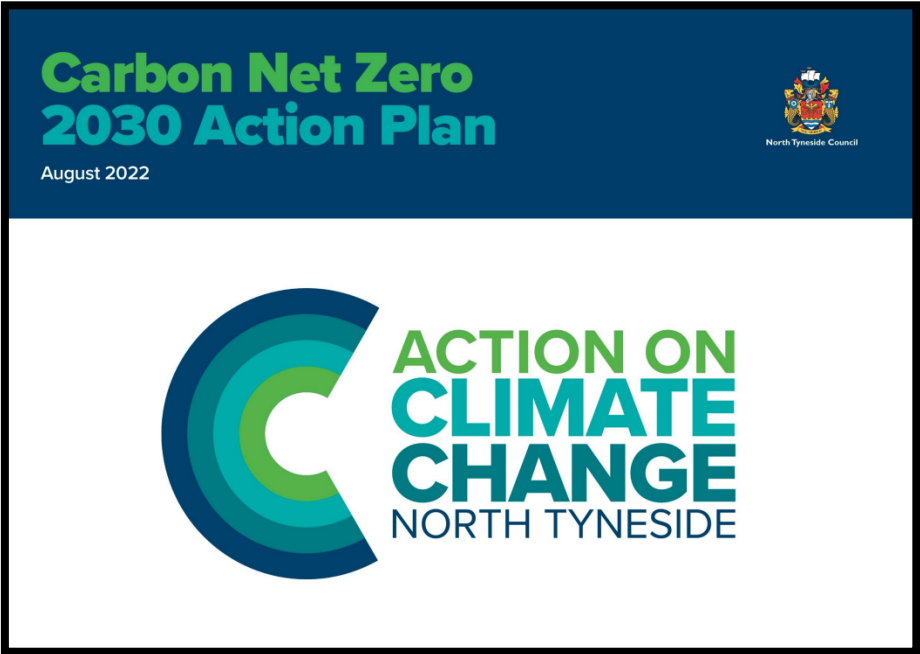
Councillor Jane Shaw

The Role of Nature Based Solutions, Carbon Offsetting and Insetting in a Net Zero Plan

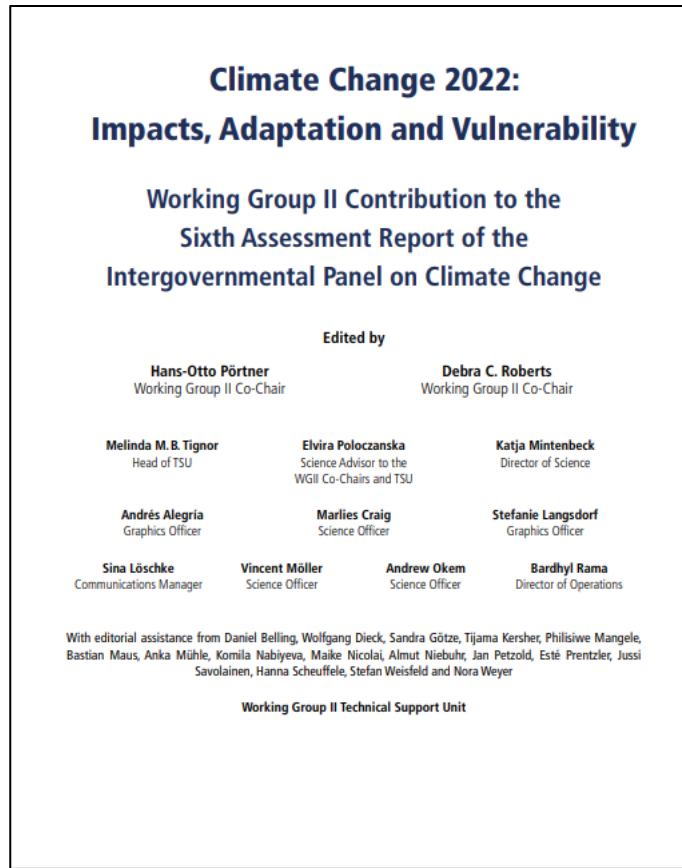
Michael Keenlyside
Environmental Sustainability Officer

The Climate Emergency & the Net Zero Action Plan 2022

[Carbon Net Zero 2030 Action Plan](#)



What does the IPCC say about nature based solutions..?



land-use change mitigation methods, as well decreasing sources and increasing sinks of GHGs through terrestrial ecosystem stewardship and improvements in agriculture are widely cited as having the potential to provide around 30% of the CO₂ mitigation needed through to 2030 to keep

What is the UK Government doing to support Nature based Solutions..?

Nature-based Solutions for Climate Change at the Landscape Scale (minimum 500 ha),

supports research and monitoring,
measuring carbon storage and sequestration

Established partnerships are eligible to receive funding to create or restore species rich habitats

The habitats prioritised include:

grassland, scrub, hedgerows and woodland.



Nature Based Solutions -what are they?

Forestry practices

- Planting new forests
- Allowing forests regeneration following felling
- Improved forest management

Restorative agriculture

practices that build soil carbon, such as no-till agriculture and cover crop rotation, to agroforestry and improved livestock management.

Wetland-related practices

conserving and restoring peatlands and coastal wetlands

Ocean-based practices

restoring seagrass meadows or growing kelp or shellfish to restore or expand marine ecosystems.

Threading Nature Based Solutions into local policy

Biodiversity Net Gain (BNG) Planning function

Mandatory requirement (2023) for all planning applications (with exemptions) to deliver a minimum 10% biodiversity net gain on development schemes

Local Nature Recovery Strategies (LNRS)

A new system of spatial strategies for nature that will be set up across England to drive forward nature recovery and identify areas for habitat delivery and enhancement. LNRS will also support wider objectives such as

Strengthened Biodiversity Duty

Duty amended to ensure local authorities look strategically at their policies and operations at least every 5 years and assess what action they can take

have regard to the relevant Local Nature Recovery Strategies, Species Conservation Strategies and Protected Sites Strategies, as part of the consideration

Example of Tree Planting : North East Community Forest

The planting of trees and new hedgerows has the following benefits to a local area, including:

- Localised cooling and reduced Urban Heat island
- Habitat provision
- Improved local air quality
- Townscape improvements
- Surface water management

The Woodland Carbon Code - designed to provide reassurance about the carbon savings that planting trees in the borough can realistically achieve.

The Woodland Carbon Code scheme is backed by the UK Government. There are **no other nature based offsetting schemes** currently available to the authority.

The role of Offsetting

A carbon offset enables organisations to compensate for any emissions they cannot avoid or reduce by paying for a carbon credit. This payment enables an equivalent volume of emissions to be reduced or removed elsewhere in the world.

Offsets are currently used by many businesses and organisations to reduce their net carbon impact.

Insetting & the Authority Based Insetting (ABI) project

Absence of gov guidance and lack of national schemes

Option of last resort

[ABI Video](#)

Nature Based Solutions

North East Community Forest

Woodland Carbon Credits

Support via the planning system and BAP

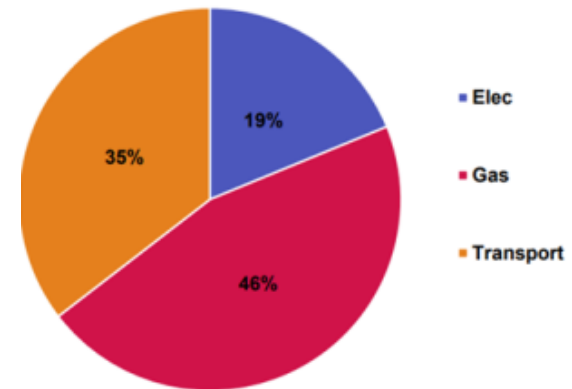
Offsetting carbon emissions using public money is not relevant to North Tyneside Council

NTC is participating in a leading edge UK pilot project to develop an Authority Based Insetting approach (ABI)

Thank You and Questions?

Performance

Borough carbon footprint 2019



2019 = 827,200 tonnes

Electricity Down 71%

Gas Down 30%

Transport Down 13%

Overall Down 41%