

**CORNWALL**  
**COUNCIL**  
*one and all • onen hag oll*

# Climate Emergency

Striving towards a Carbon Neutral Cornwall



[www.cornwall.gov.uk](http://www.cornwall.gov.uk)

# Developing our response

## The risks in Cornwall

1. Disadvantaged and vulnerable most likely to be impacted
2. Vulnerable coastline
3. Seasonal changes will impact food chains



## The Motion – January 2019

1. Declare a ‘climate emergency’
2. Lobby for resources & powers
3. Prepare an Action Plan towards carbon neutrality by 2030 published July 2019

# Our Action Plan – acknowledges our role in the system

- **Council's Operational Programme:**  
What is in the Councils' control
- **Cornwall Facilitation Programme:**  
The Council's role as enabler or partner
- **Cornwall Regional and National Programme:**  
Working across borders and with Government





How we reduce waste



How we live



How we create and use energy



How we adapt

### Cornwall's Environmental Growth Strategy

2015-2065



How we travel



How we consume



How we work



How we enhance our environment

## Ecological Emergency



Deliver nature recovery and environmental growth

## Climate Emergency



Cut emissions to keep global temperature rises below 1.5°C

## Environmental Adaptation



Adapt to a changing environment

3 challenges

### CORNWALL & ISLES OF SCILLY

LOCAL NATURE PARTNERSHIP

### Cornwall and Isles of Scilly Leadership Board

### Strategic Resilience Board



#### Nature Recovery Plan

Enhanced biodiversity, ecosystem service resilience, and access to green spaces

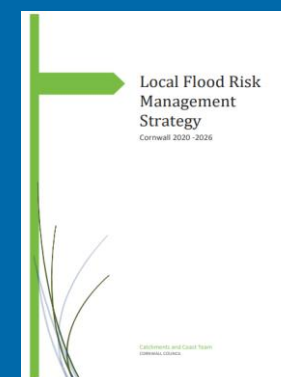
Target: 30% of land and seas managed for nature by 2030



#### Climate Change Action Plan

Create conditions for change to reduce our emissions to net zero

Target: Net carbon neutral by 2030



#### Local Flood Risk Management Strategy:

Create the conditions for resilient communities to adapt to a changing climate

3 strategic responses



# Our focus

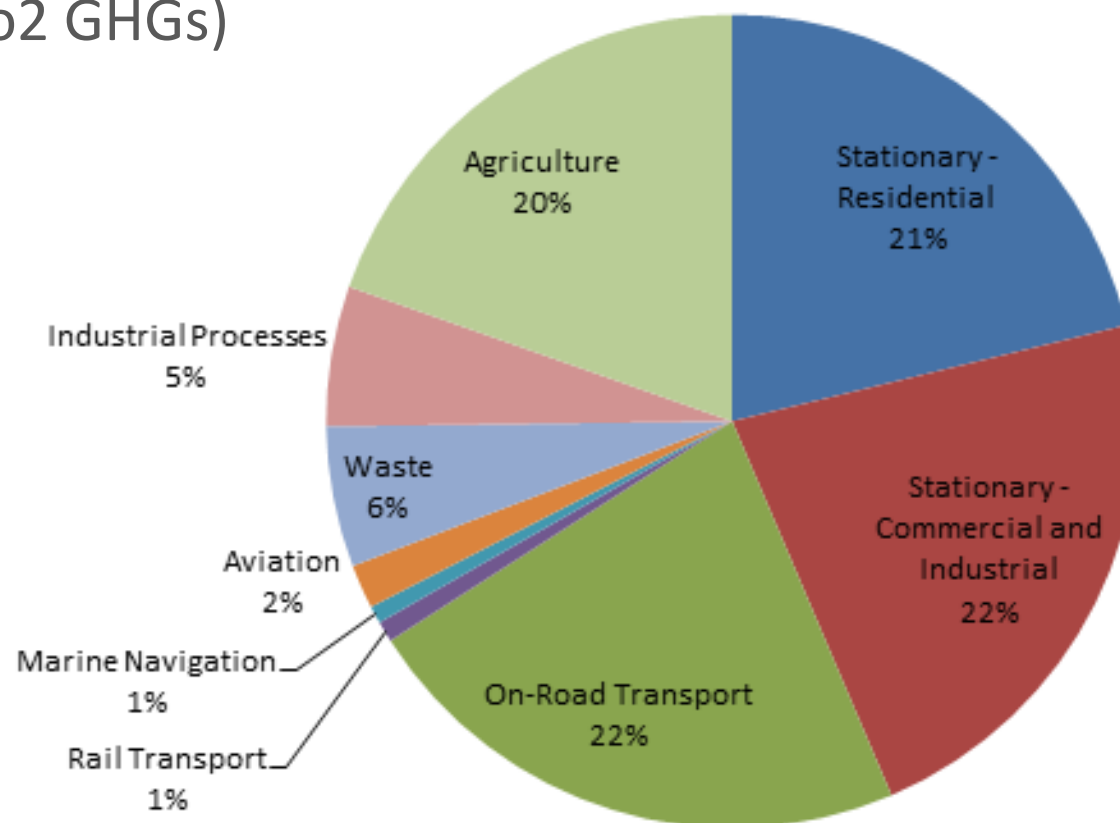
**The Council is now working towards developing programmes of work which will achieve the following aims:**

- Reduce carbon emissions from commercial, industrial & public sector organisations and promote a circular economy
- Cornish households reduce their carbon footprint and make more sustainable choices
- Reduced emissions from transportation including people and goods
- Expansion of renewable energy
- Climate resilient communities, landscapes and infrastructure
- Increased carbon drawdown through natural and engineered climate solutions



# Cornwall's current carbon footprint

Based on Cornwall's current Green House Gas inventory (2017 data year) Cornwall's current carbon footprint is 4 million tonnes Co<sub>2</sub>e (c28% were non-Co<sub>2</sub> GHGs)

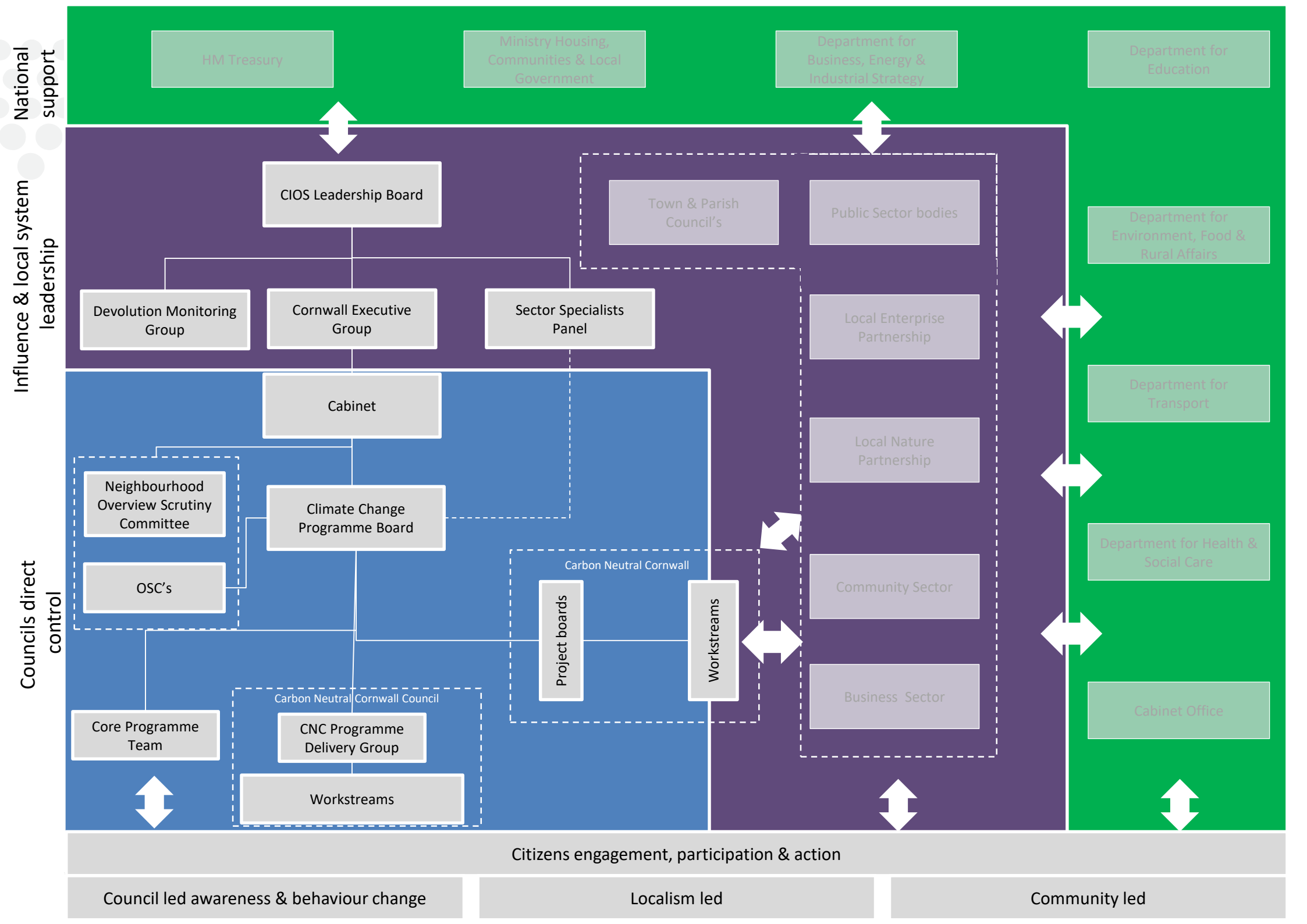


Since the last Greenhouse Gas inventory produced in 2011 (2008 data year) Cornwall's Co<sub>2</sub>e footprint **has reduced by c19.5%** and at the latest estimate **37% of our electricity now comes from renewables.**

# Cornwall Council's role in the system







# Phase 1 milestones

- ❑ 83 Cornwall Housing stock retrofitted reducing emissions by 80% per home
- ❑ First 50 hectares of the Forest for Cornwall and carbon offsetting scheme implemented
- ❑ 10% of the council fleet transitioned to ULEV
- ❑ Council green travel plan implemented targeting business and commuter travel
- ❑ Low carbon county farms plan showcasing sustainable farming practices
- ❑ Environmental sustainability embedded into our decision making processes
- ❑ Established community and sector panels
- ❑ Climate change book outlining key devolution asks agreed
- ❑ Carbon management mainstreamed into council planning & performance management

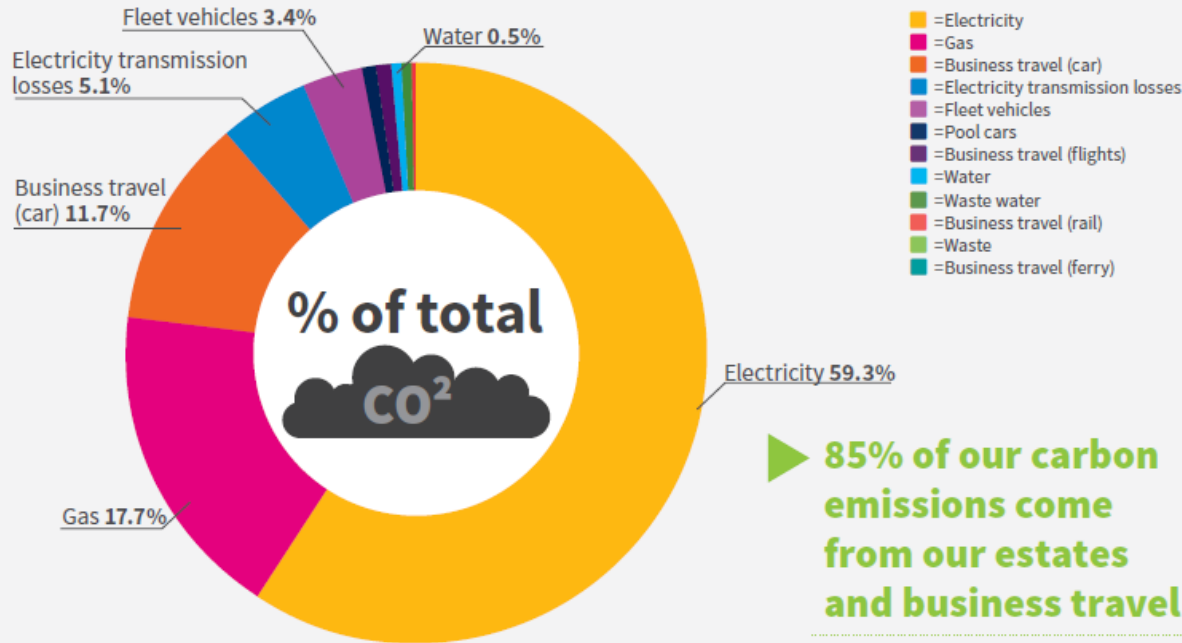
# Cornwall Council's Mission

“Leading with the communities of Cornwall to combat climate change, fight injustice and create a fairer future for one and all”

**“THE CORNWALL  
WE WANT”** For future  
generations



## Cornwall Council Carbon Emissions



Our estate creates **77.5% of our emissions** through our electricity, gas and water use



Business travel equates to **17% of emissions** providing an easy win in terms of both financial and carbon savings



In 2019/20, Cornwall Council spent:

- ▶ **£4.3m** on electricity
- ▶ **£500k** on gas
- ▶ **£700k** on water

In 2019/20, we also printed



**21 million pages...**

... at a cost of **£280,000**

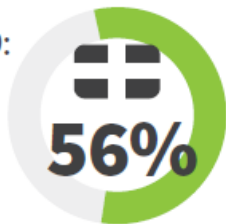
### Business travel by Directorate



- = Adult Social Care 16.03%
- = Customer and Support Services 9.52%
- = Economic Growth and Development 12.03%
- = Neighbourhoods 22.05%
- = Together for Families 36.80%
- = Wellbeing and Public Health 2.56%

## Supply Chain Overview

Total spend FY 18/19: **£785m**



of what we spend externally is with **Cornish suppliers**  
UK average spend with local suppliers is approximately 25%



Total number of suppliers **5,768**

**32** of these are strategic and critical

External supply chain **65% of** Council's Gross Spend



**47% of external** supply chain spend with top 20 suppliers (£355m)



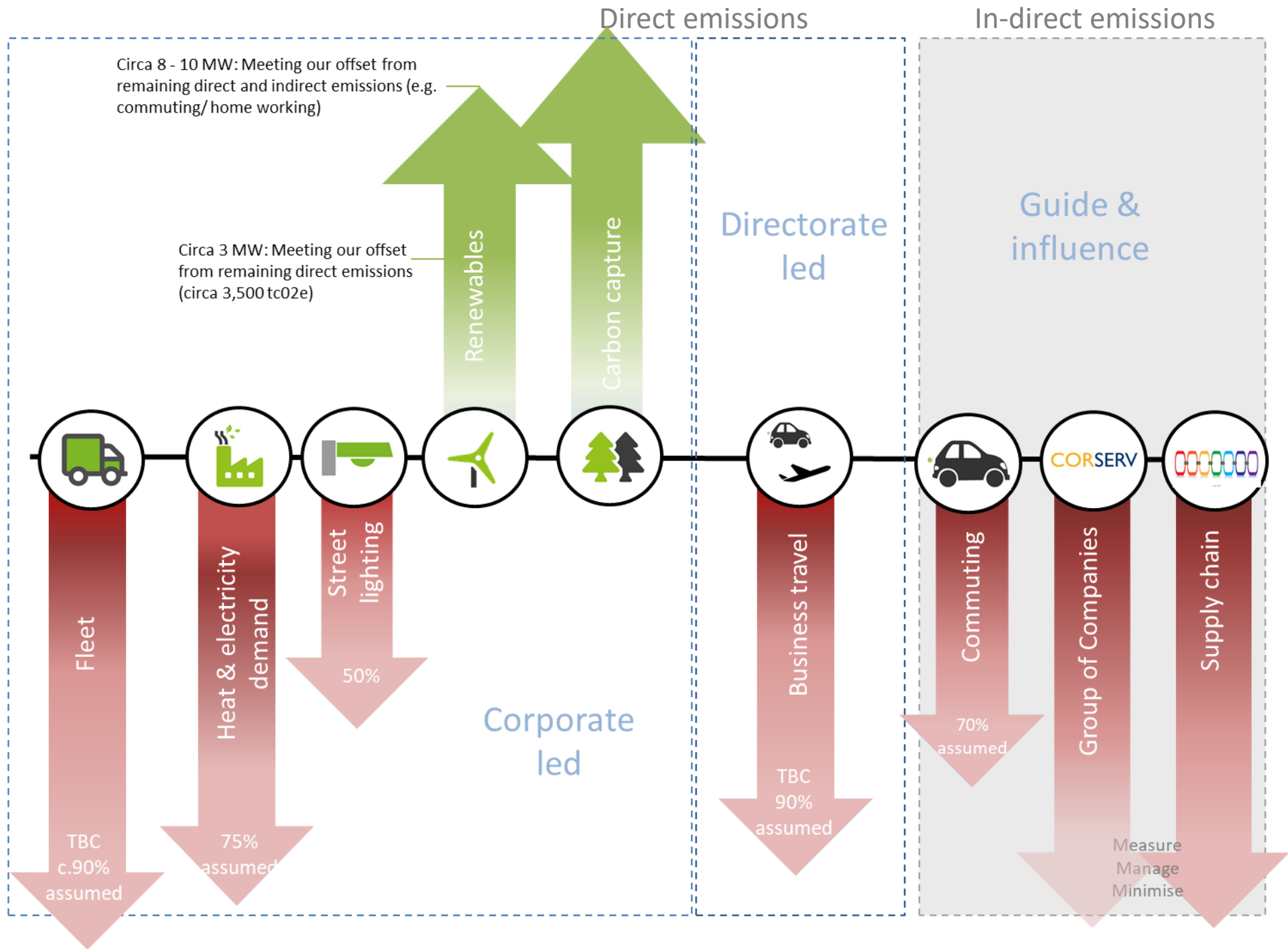
Our staff commute **35 million miles a year**

creating the same amount of carbon as our whole estate

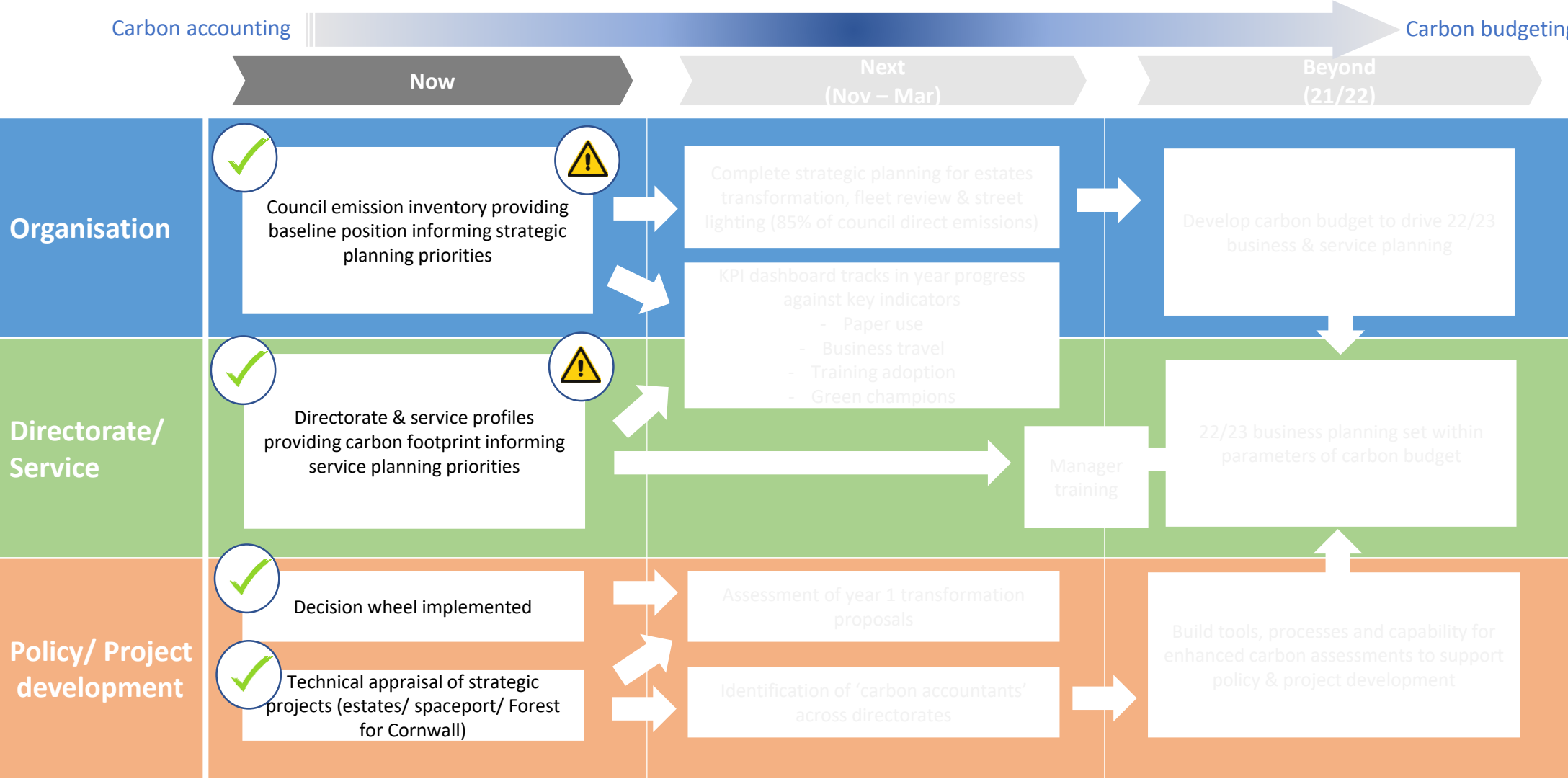
The Council's renewable energy portfolio could supply **37% of our** current electricity demand

Smarter working, transitioning the pool car fleet to EV and banning flights would realise us **significant savings**

# The quantum of change



# Embedding the tools for change: Carbon accounting

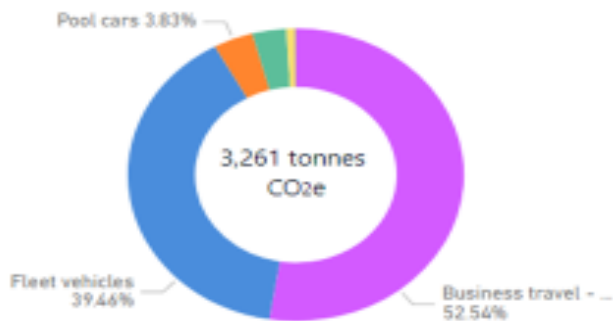


# Embedding the tools for change: Carbon accounting

## Cornwall Fire & Rescue Service - Emissions Profile 2019/20

### Service Travel Emissions (tCO2e)

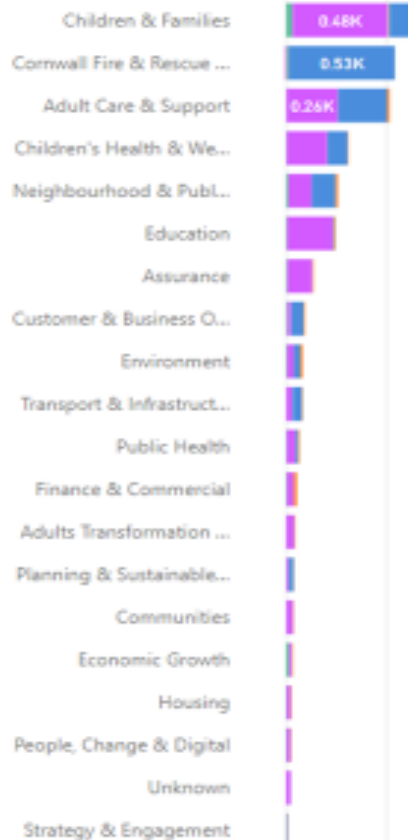
Cornwall Council Annual Travel Emissions (tCO2e)



Service Annual Travel Emissions (tCO2e)



CC Annual Travel Emissions (tCO2e)



### Service Breakdown

Count of employees

**867**

Service average annual travel emissions per employee (tCO2e)

**0.62**

Council average annual travel emissions per employee (tCO2e)

**0.53**

Total Service commuter miles per year

**2.2M**

Average Service daily commuter miles per employee

**11.1**

Average Council daily commuter miles per employee

**19.4**

Annual count of flights for the Service

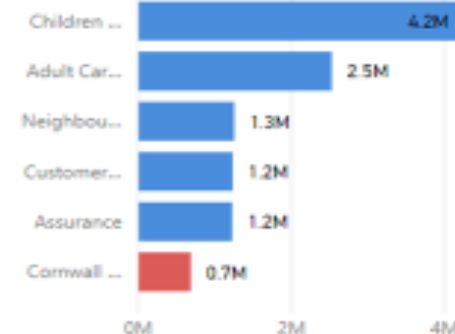
**32**

Average annual count of flights per Service

**23**

### Consumption

Annual Paper Consumption by Service (count of pages)



Service average annual paper consumption per employee (# pages)

**791**

Council average annual paper consumption per employee (# pages)

**2816**

### Supply Chain and Other Emissions

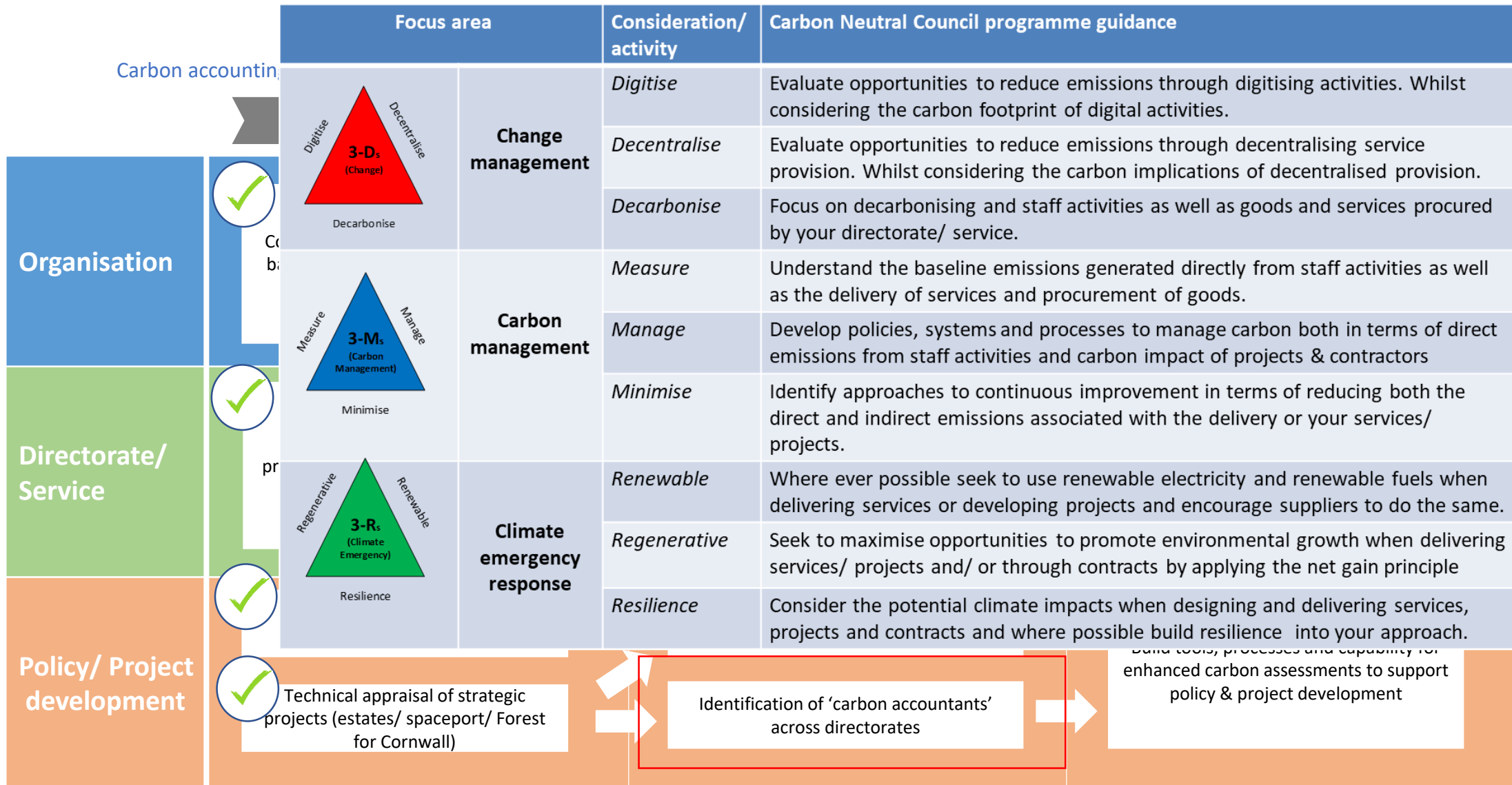
Plant equipment?

Organisa

Director Service

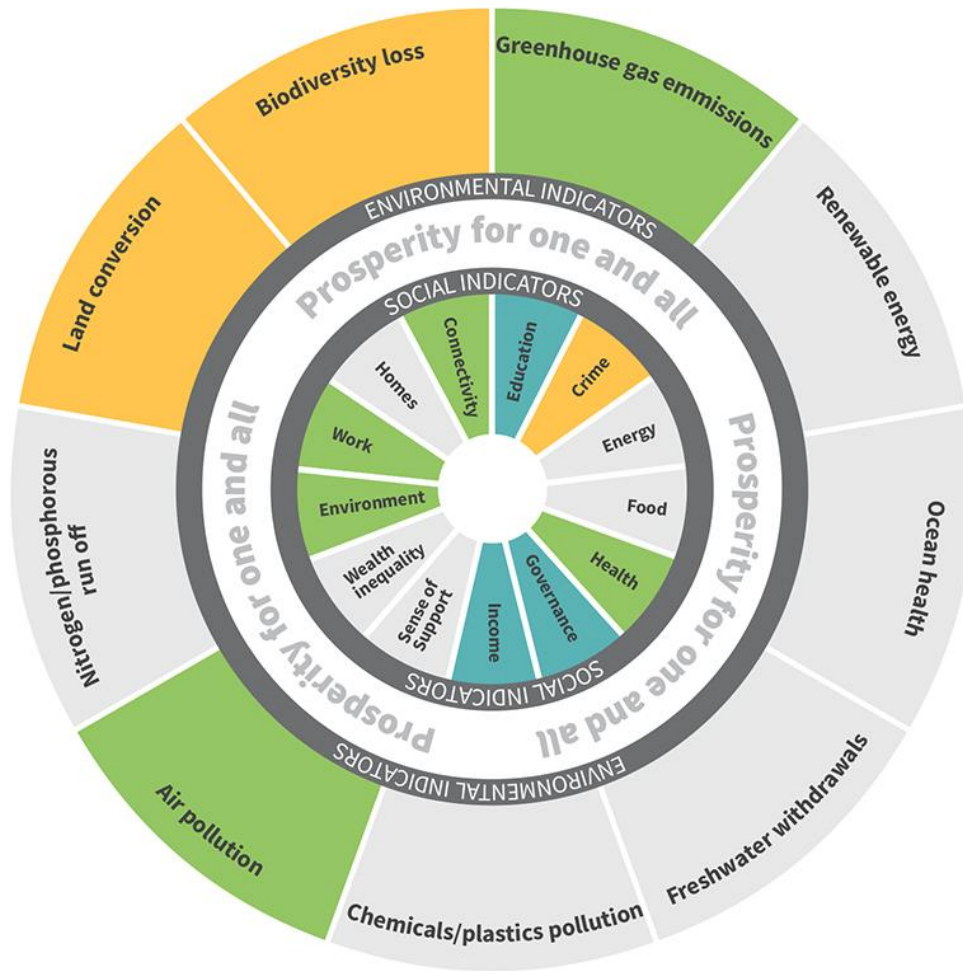
Policy/ P develop

# Embedding the tools for change: Carbon accounting





# Putting principles into practice



The Saints Trail is designed with active travel in mind so has been given a score of 5 for the categories of air pollution and greenhouse gas emissions. Although land will be converted from green field in a few places, it is not all quality land and there is a full environmental impact assessment in place and mitigations planned to replace the biodiversity lost, in time.

Evidence from similar schemes shows substantial numbers of jobs created. There will also be educational signs along the trails to enable people to learn about the local historical features and environment. Although there is the possibility that opening up previously inaccessible areas of land to the public may make it possible to misuse the land, this is far outweighed by the huge health benefits and enjoyments of the local environment that will be gained by residents and visitors alike.

# Embedding the tools for change: Workforce development

- Roll out of e-learning starting January 2021
- Development of manager and specialist training through 2021.

# The Responsible Leader Toolkit



# Green Champions network

Catalyst –  
making  
things  
happen  
locally

Knowledge  
able  
influencer

Connector

Carbon  
buddy

Voice of  
the  
employee

A key communication channel to teams - promote low carbon thinking :

- Campaigns
- Challenges
- Information
- Ideas
- Events

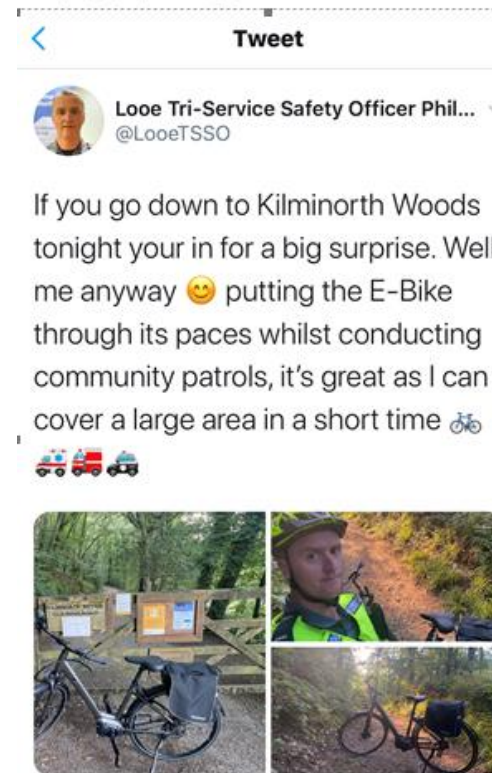
Promote low carbon behaviours  
Nudge and nurture others in work and out of work

Provide feedback  
Pilot initiatives  
Input into decisions  
Challenge the status quo to think differently



A network of 120 Green champions across all directorates.....

Adults	20
TFF	30
Neighbourhoods	31
EG&D	16
CASS	20
Corserv	3



# Carbon Neutral Cornwall Staff engagement



## November/December

- Over 120 **Green Champions** and network growing
- **Collaborative tools** for Green Champions to support networking, sharing ideas and inspire action
- **Carbon Literacy training course** soft launch
- **Keep it kind and low carbon** Christmas campaign

## January

- **Carbon Literacy course live** for Staff and Members
- **Green homes and energy efficiency** awareness raising campaign

## February onwards

- **Carbon literacy training** for Managers
- **Enhance our environment** wildlife theme for WWF Day



# Early activity undertaken since July 2019

Areas we directly control and guide	Areas we can enable through funding	Enable through policy	Areas we can influence locally	Areas we can influence or ask for nationally
<p>Finalised Council Inventory Integrating decision wheel with the CIA Phase 1 fleet transition</p> 				
	<p>Whole House Retrofit Pilot Investment in Deep Geothermal Forest for Cornwall</p>			
		<p>Climate Change Development Planning Document 50:50 Future Cornwall</p>		
			<p>Local Industrial Strategy – Clean Growth Focus Cornwall Isles of Scilly Leadership Board declare Climate Emergency Localism Summit and Cornwall Schools Eco-conferences</p>	
				<p>Energy Innovation Zones development work completed with WMCA Meeting held with Treasury on £9bn grid investment fund £23.5m for secured from Department of Transport to reduce bus fares</p>

# Cross sector innovation



Whole House Retrofit



Climate Change  
Delivery Plan Document (DPD)



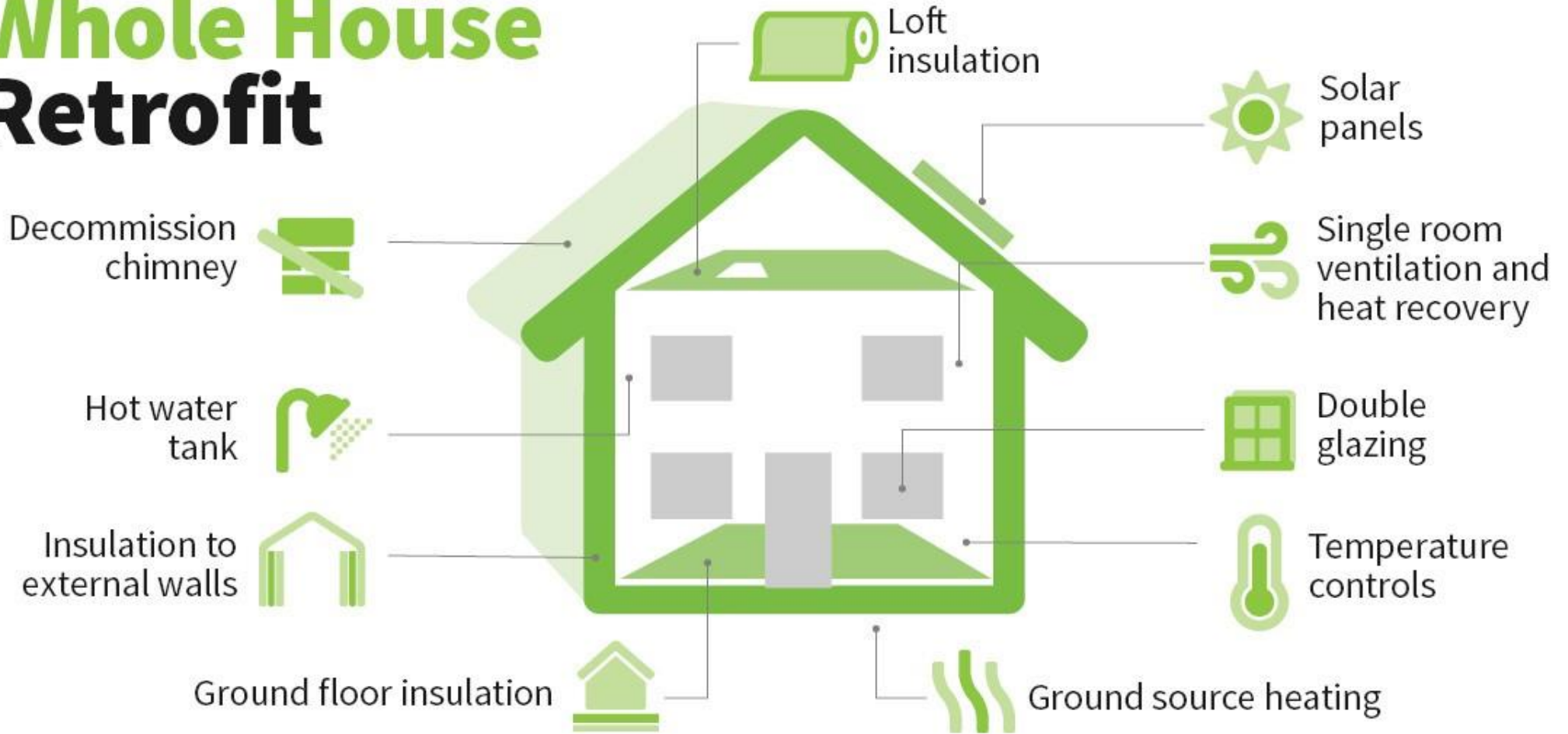
Forest For Cornwall



Smart grid enabled  
wind turbine

# Whole House Retrofit

## Whole House Retrofit





# Community engagement

## Carbon neutral Cornwall 2030 HIVE



**Carbon Neutral Cornwall 2030**

Everyone has a part to play in tackling climate change and helping Cornwall to become carbon neutral

[Read more](#)

**Climate change projects, events and activities**

Learn about climate change projects / schemes, events and activities in Cornwall and share details of your project and events

[Read more](#)

**Carbon Neutral Cornwall Ideas Bank**

Find out about and share information about climate change projects, schemes and initiatives and help build the Ideas Bank

[Read more](#)

**Carbon Neutral Cornwall Hive Blog**

Articles from guest bloggers about things they are passionate about to help share information and inspiration

[Read more](#)

**Liskeard Localism Climate Change Workshop**

11 days ago

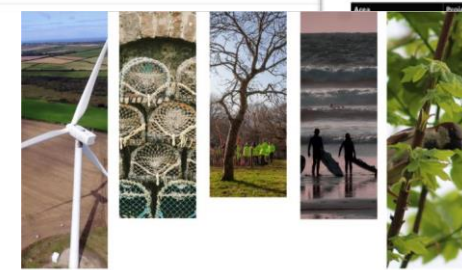
Over 60 people took part in the Localism climate change workshop in Liskeard. It was great to see so many people with the same passion together and the room was buzzing with enthusiasm.

Working in groups we talked about what we are all doing in our local areas and shared information about the different types of schemes and initiatives to protect our environment and tackle climate change in Cornwall.

[View the list of projects shared as part of the workshop](#)

February 2020  
**Liskeard Localism Climate Change Workshop Shared projects and initiatives**

Project / Initiative	Details	Theme
Watermark	Recovering 40 hectares of peat on Bodinn Moor with SW Water and Exmoor Mines	Environment, Peatlands, Biodiversity
Community Woodland	Recovering woodland and tree planting	Trees, Woodland
Living Parish Council trees and plants	Four trees coming from Woodland Trust, local food C.S. group has some projects	Trees, Climate projects
Parish Council	Parish council has collected £400 for wildflower seeds but the parish has no publicly owned land to use the seeds on. Could most verges be used?	Environment, Wildflowers
Community Café	Community projects, food opportunity to recycle, repair and share skills and ideas	Community, Information, Education
Parish Forum (2018)	Parish forum for local people, organisations and groups, including parish council, to work to tackle climate change	Planning, Action planning
Working with Golden Trees to build a hedgehog habitat at Golden Lake	Working with Golden Trees to build a hedgehog habitat at Golden Lake	Trees, Hedges, Environment
Climate Change Workshops	How about Cornwall Council delivering workshops on Climate Change for the general public. "Learn Dinner" are doing this	Education / Information
Climate Care	Producing a series of films on how climate change is going to affect Cornwall	Community, Information, Education



## Crowdfund Cornwall Climate Emergency

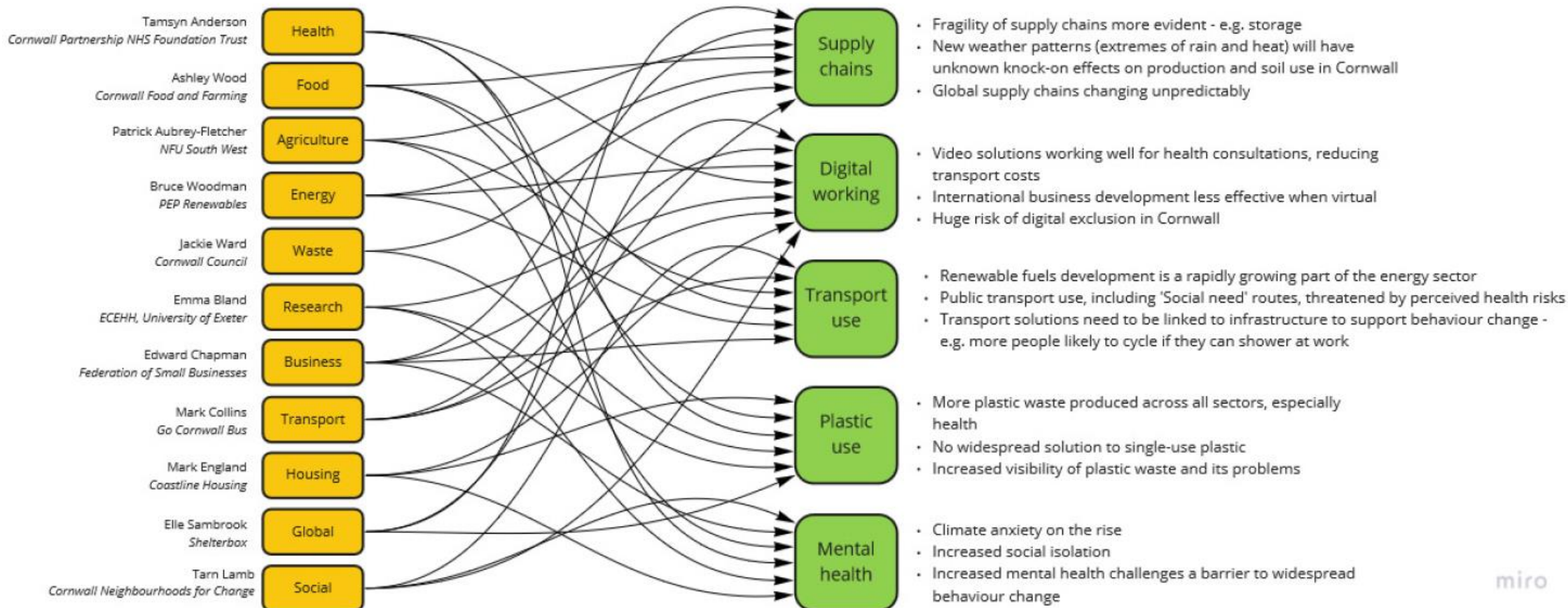
### Pledge to 'Make the Change' with the Eden Project

Combating climate change requires a 'Team Cornwall' effort and we're partnering with [the Eden Project](#) as we think their [Make a Change Pledges](#) are a great way to do some things differently yourself, to be able to lower your carbon footprint.



You can choose up to ten pledges to give yourself challenges to work towards. Some of them are easy and others will take a bit more effort, but each of them will help combat climate change and biodiversity loss. Every action helps, however small. Let's make the change together.

# Emerging themes from the Sector Panel



miro

# Accelerating our carbon neutral ambitions through recovery and renewal

## Key Challenges and opportunities

### Cornwall Council Organisational Recovery

- 77.5% of emissions** from our estate
- 17% of emissions** from business travel
- Our staff commute **35 million miles a year**

### Community and Wellbeing Recovery

- 21% of Cornwall's emissions** from homes
- 12.9% of residents** in fuel poverty
- 22% of Cornwall's emissions** on road transport

### Economic Recovery

- 20% of Cornwall's emissions** from agriculture
- 22% of emissions** from commercial/industrial practices
- 37% of electricity** from renewables

## Local and national communication and engagement campaigns to influence behaviour

Activity 2020 - 2021	2021 - 2023	2024 - 2030		
Estate transformation			Governance & engagement Carbon Neutral Cornwall Board Programme Delivery Group Green Champions Organisational Recovery and Renewal Group	
Transition to a low carbon fleet				
Embedding decision wheel	Introduce Carbon Accounting			
First Council wind turbine	Investing in renewable energy generation			
Clean Air Strategy	Cloud adoption to reduce server demand	Electrification of Park & Ride buses		
Biomethane on County Farms	New administration digital by default			
Local Nature Recovery Strategy Pilot				Carbon Neutral Cornwall Hive community events Localism workshops Community and Wellbeing Recovery and Renewal Group Local Nature Partnership Economic Recovery and Renewal Group CioS LEP Carbon Neutral Cornwall Sector Panel
£23m bus fares pilot	Develop EV charging infrastructure			
£720k to support community activity				
Construction of Saint's Trail	Develop active travel networks			
Forest for Cornwall				
Whole house retrofit pilot		Begin mass retrofit		
Local Industrial Strategy with Clean Growth Focus				
Solar framework	Agricultural ELMs			
Climate Change DPD				
Cornish Housing Pattern Book	Geothermal power generation			
Saputo Dairy UK low carbon creamery		Floating Offshore Wind pilot		
Cornwall-wide retrofit pilot project		Electricity grid upgrades		

Developing devolutionary asks required to unlock the potential of Cornwall's low carbon economy and tackle inequalities

### Beyond local systems leadership



**Housing retrofit:**  
Support the financial and training requirements to undertake a mass retrofit Cornwall's homes



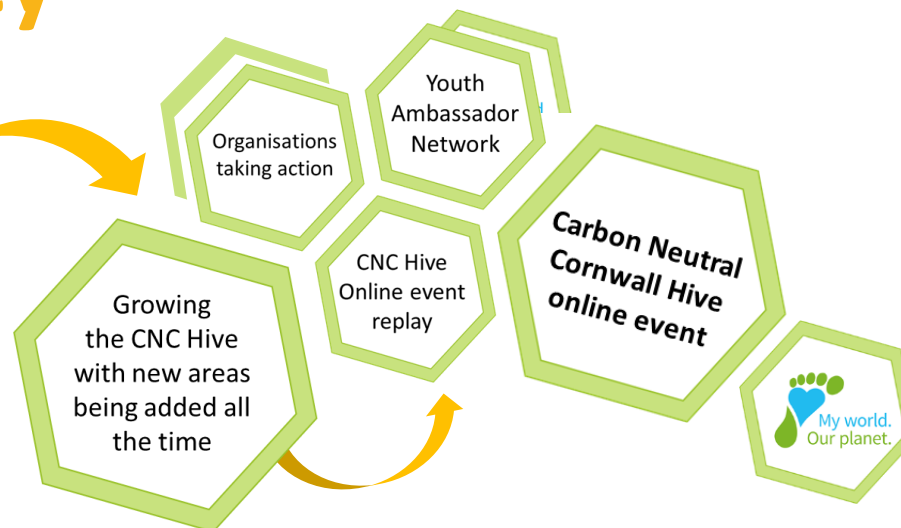
**New build homes:**  
Quicker transition to deliver low carbon homes to prevent retrofit of the future



**Grid reinforcement:**  
Upgrade South-west electricity grid

- Cornwall and Isles of Scilly Leadership board
- Coordination of Recovery Strategic Group
- Cornwall's MPs

# CNC Engagement activity



**Carbon Neutral Cornwall Call to Action**

Get involved in the conversation and shape the carbon neutral 'greenprint' for a cleaner, greener and fairer Cornwall

[Read more](#)

**Coming soon**

**Call for Carbon Neutral Ambassadors**

Community leaders to amplify call to action

**12 Days of Low Carbon Christmas**

Carbon Neutral Cornwall gifts for our planet

**Carbon Neutral Cornwall Call to Action**

Help shape the greenprint for a cleaner, greener and fairer Cornwall

**Together we can**




Themed online conversations and events as part of the Call to Action

**Show you care about My world and Our planet**

Show you care footprint campaign

# 12 Days of Low Carbon Christmas

Christmas is going to be different this year: 12 low carbon gifts of hope to our planet

<p><b>Day 1</b> A Forest for Cornwall</p>	<p><b>Day 2</b> A new smart-grid wind turbine</p>	<p><b>Day 3</b> Grants to support low carbon projects</p>
<p><b>Day 4</b> More electric vehicle charge points</p>	<p><b>Day 5</b> The Carbon Neutral Cornwall Hive</p>	<p><b>Day 6</b> Making space for nature</p>
<p><b>Day 7</b> Capturing methane on farms and turning it into biogas</p>	<p><b>Day 8</b> More planning powers to protect the environment</p>	<p><b>Day 9</b> Climate Change books in Cornwall's libraries and e-library</p>
<p><b>Day 10</b> Making homes more energy efficient A pioneering Whole House Retrofit programme in Cornwall to make homes cheaper to run and reduce their carbon emissions by up to 80%</p> <p><a href="#">Find out about the Whole House Retrofit programme</a></p> 	<p><b>Day 11</b> A new tool to help make decisions A decision-making wheel to help us make decisions that place people and the climate at the heart of everything we do</p> <p><a href="#">Find out about the decision making wheel</a></p> 	<p><b>Day 12</b> A new vision for Cornwall 2030-2050 Together we can: The Cornwall Plan to make Cornwall cleaner, greener, fairer and carbon neutral. Now we need you to help shape Cornwall's vision to reach carbon neutral and put it into action.</p> <p><a href="#">Help us shape Cornwall's vision</a></p> 



**Carbon Neutral Cornwall Call to Action**

Get involved in the conversation and shape the carbon neutral 'greenprint' for a cleaner, greener and fairer Cornwall

[Read more](#)

[Help shape Cornwall's greenprint for action](#)

# Climate emergency Cornwall's call to action

Home > Carbon Neutral Cornwall Hive > Carbon Neutral Cornwall Call to Action

## Carbon Neutral Cornwall Call to Action

### Cornwall has set an ambitious target of becoming carbon neutral by 2030

Aiming for 2030, ahead of the Government's target of 2050, gives us the best chance of keeping global warming below 1.5 degrees Celsius. Which scientists tell us will avoid the worst impacts on our planet.

Becoming carbon neutral can be achieved in two ways, by reducing the amount of carbon dioxide and other greenhouse gases we are producing, and by capturing the carbon dioxide we do produce so that it can't enter the atmosphere.

This challenge can give us hope, not just that we can find our way through an emergency, but that we can rise to the challenge and come out the other side even better than before.

We're not starting from scratch, there are pioneers in Cornwall, demonstrating how we can change the ways we live, work and play. But there is always room for new ideas.

Cornwall Council is working towards becoming a Carbon Neutral Council; and Cornwall's response to Climate Change needs everyone to think and act differently. We need to change our options and our decisions.

The Carbon Neutral Cornwall Call to Action explains our vision for how Cornwall can become carbon neutral. We have made a good start and now we need everyone to get involved.

We want everyone to shape Cornwall's vision for reaching carbon neutrality.

### Together we can

If we all make small changes to how we move, shop, eat, think and live, together we can make practical changes on a huge scale.

Please take a look at the [Carbon Neutral Cornwall Call to Action](#) and get involved in the conversations below that are going to shape Cornwall's Carbon Neutral 'greenprint' Plan and put it into action.

TOGETHER WE CAN IDEAS BOARD



#### Helpful links

- [The Cornwall Plan 2030 - 2050](#)
- [Cornwall Climate Emergency Fund](#)
- [Carbon Neutral Cornwall](#)
- [Low carbon and environment initiative](#)
- [12 Days of Low Carbon Christmas](#)

#### Explore the Hive

- [The Hive Blog](#)
- [Ideas Bank](#)
- [CNC Youth Ambassadors](#)
- [My World - Our Planet](#)
- [Localism workshops](#)
- [Organisations taking action](#)
- [The Hive homepage](#)

For more information about  
**Carbon neutral Cornwall 2030**  
[www.cornwall.gov.uk/climatechange](http://www.cornwall.gov.uk/climatechange)

### How we travel

25 Nov 2020

Thinking about how we travel.

How can we all change how we get about to reduce traffic emissions and cut greenhouse gases?

Click on the image to see the page in full.

Add your thoughts, ideas and comments below.



### How we live

25 Nov 2020

Thinking about how we live and use energy every day.

How can we all reduce how much electricity or heating fuel we use, or change how we live at home to reduce our carbon footprint?

Click on the image to see the page in full.

Add your thoughts, ideas and comments below.



### Prosperity for One and All

25 Nov 2020

Thinking about the impacts of the decision wheel.

How can we all make decisions which support prosperity for One and All in Cornwall?

Click on the image to see the page in full.

Add your thoughts, ideas and comments below.



Write a comment... You can use @ to tag somebody in the conversation

1 comment

Recently active | Posted first

Janda, 3 days ago

Alert moderator

That looks great but I really think you need to get your planning department on board with the fact that we have a climate emergency and that most building developments will have a negative impact on that. Development needs to be planned around trees and cornish hedges which should never be felled or destroyed under any circumstances. Then it should be mandatory for buildings and gardens to provide habitats and cover for wildlife therefore protecting our biodiversity as much as is possible while still providing homes.

Reply Do you agree? 🍌 🍎



# Carbon Neutral Cornwall News and Engagement

## December

- 12 Days of **Low Carbon Christmas** gifts to our planet
- Call for **Carbon Neutral Cornwall Ambassadors**

## January

- New Year, time for a **New 'Low Carbon' You**
- Celebrating Cornwall's **Carbon Neutral Cornwall successes** on second anniversary of Climate Emergency Declaration
- Carbon Neutral Cornwall **Call to Action** to shape the greenprint for a cleaner, greener and fairer Cornwall

## February - March

- Call to Action **themed events** and **online conversations**
- **Show you care** about My world and Our planet call to action

Moving  
towards a  
Carbon neutral  
Cornwall



# Carbon Neutral Cornwall Media campaigns

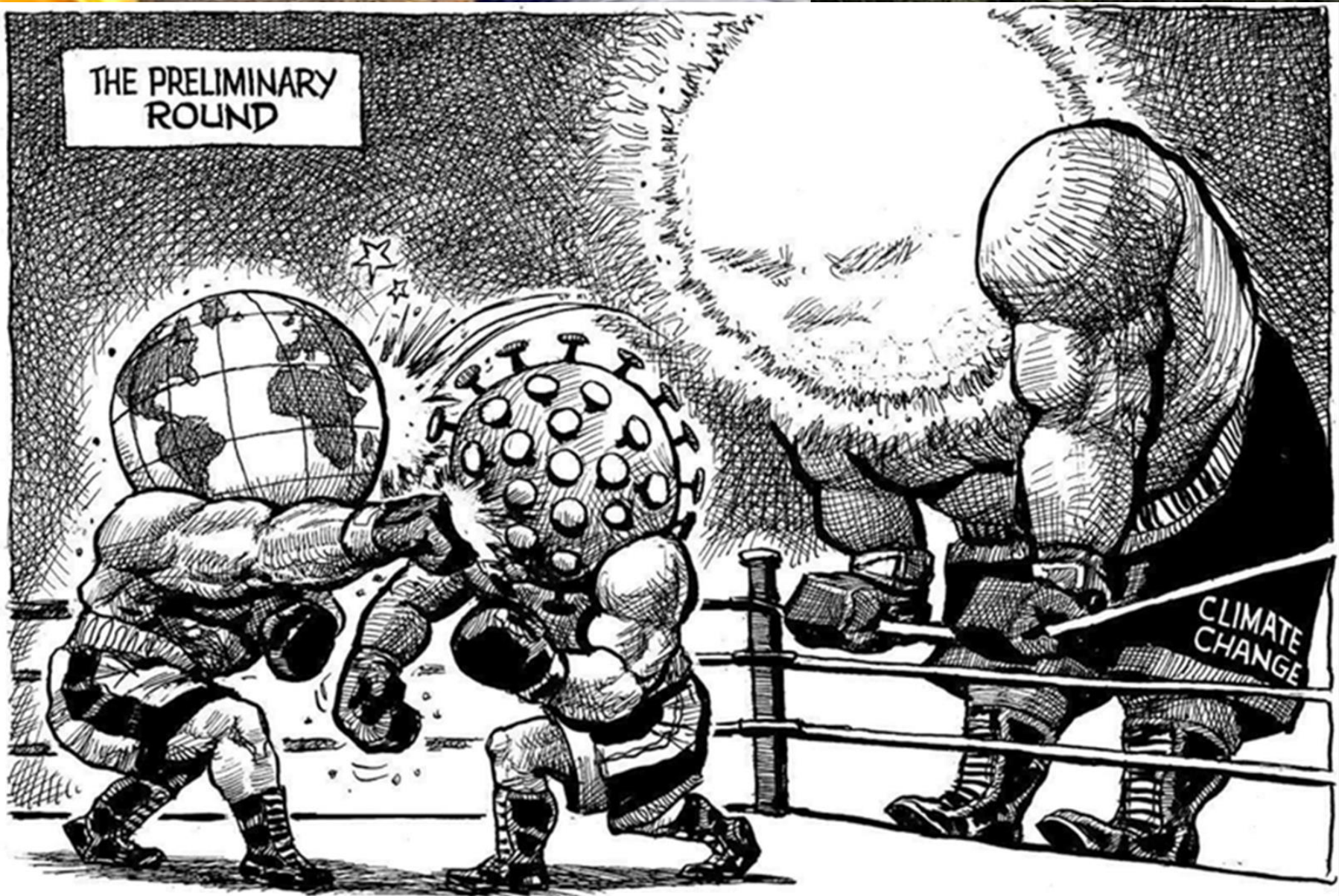
- Christmas **Buy local and Keep it Cornish** campaign
- Top tips for a **low carbon Christmas** campaign:

Reduce, reuse, recycle and repurpose your decorations and wrappings, trees and food waste – films on the Cornwall Channel





THE PRELIMINARY ROUND



Economist.com

Kal

# Thank you / Meur ras

There is lots of information on our website:

 [www.cornwall.gov.uk/climatechange](http://www.cornwall.gov.uk/climatechange)

If you have any questions or comments please email:

[climatechange@cornwall.gov.uk](mailto:climatechange@cornwall.gov.uk)