

Carbon neutral Cornwall 2030

My world. Our planet.

 www.cornwall.gov.uk/climatechange



Cornwall Council nationally recognised as leading the way

Climate Action UK Scorecards



Score increased by **7%** compared to the 2023 scorecard results

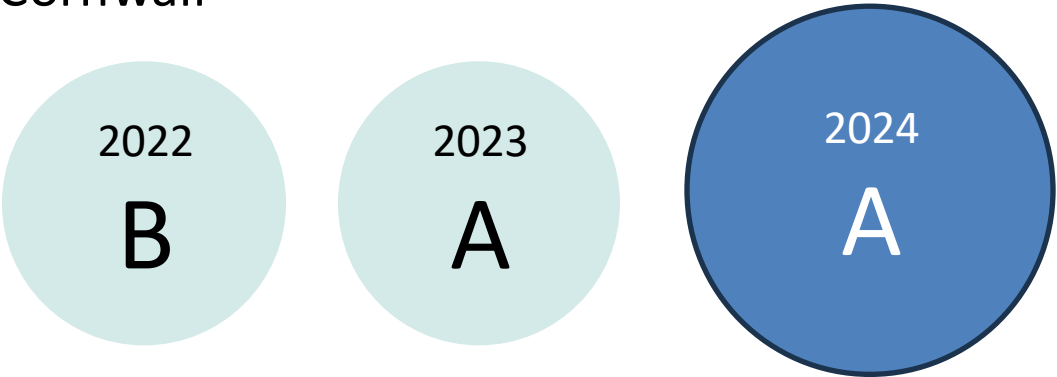
1st highest Rural Council in the UK
when compared to single tier Councils

Sectors	Cornwall Council	Single Tier Average
Buildings & Heating	63%	54%
Transport	34%	25%
Planning & Land Use	85% (*)	43%
Governance & Finance	51%	34%
Biodiversity	29%	32%
Collaboration & Engagement	76%	54%
Waste Reduction & Food	67%	48%

* One of the top performing Council's

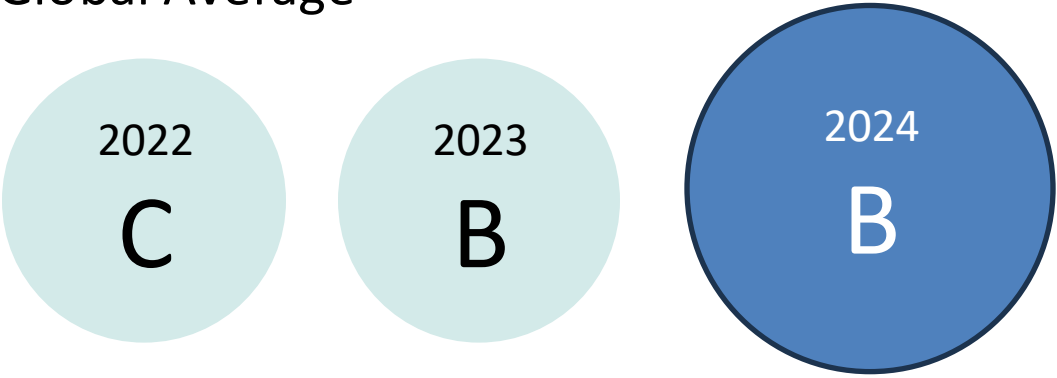
Carbon Disclosure Project Results

Cornwall



112 cities and regions
received an A globally

Global Average

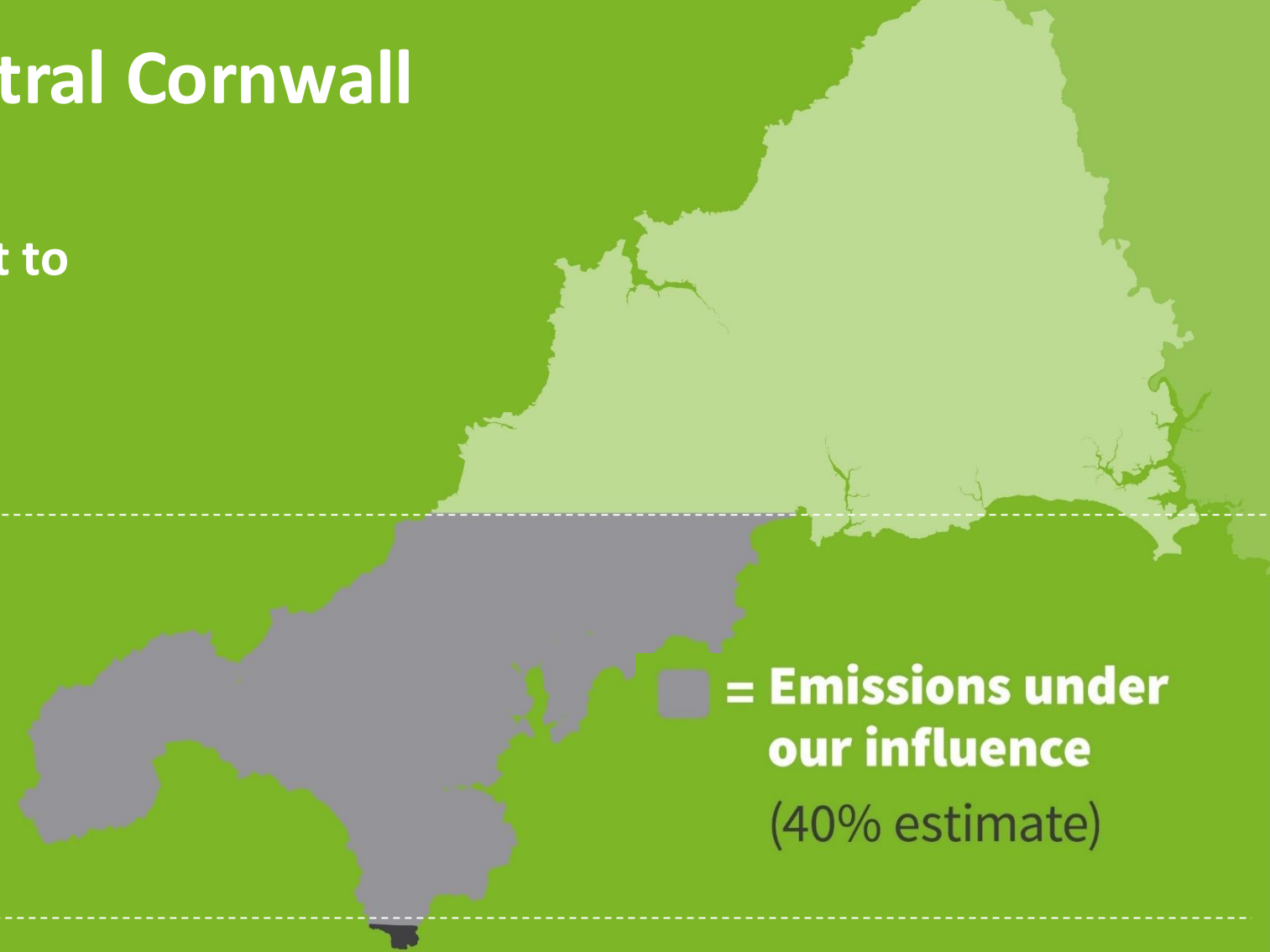


The councils role in a carbon neutral Cornwall

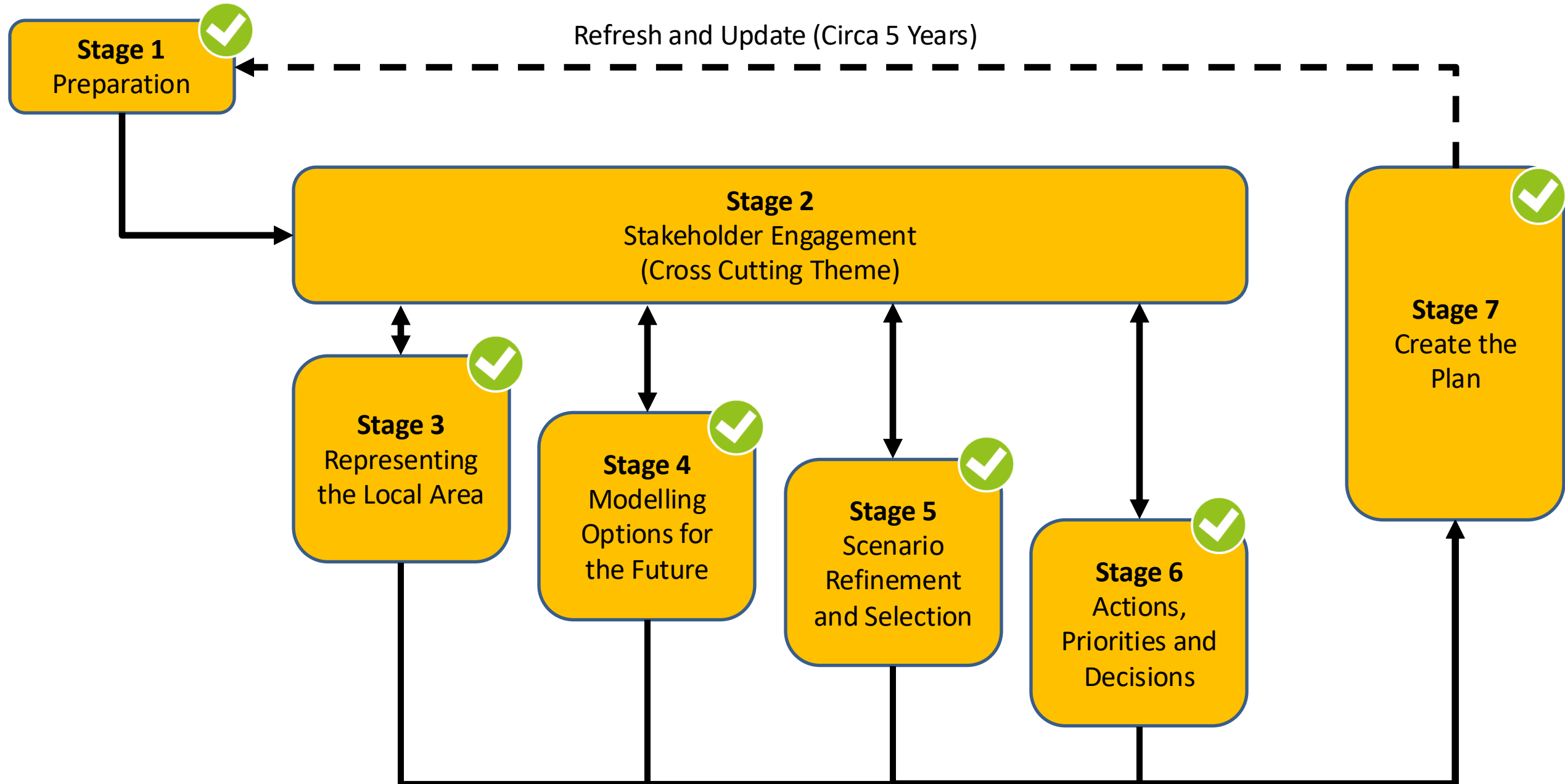
Working across boundaries and with government to become the first net neutral region in the UK

Facilitating local system leadership to influence the action of our partners and suppliers

Leading by example to become a carbon neutral council



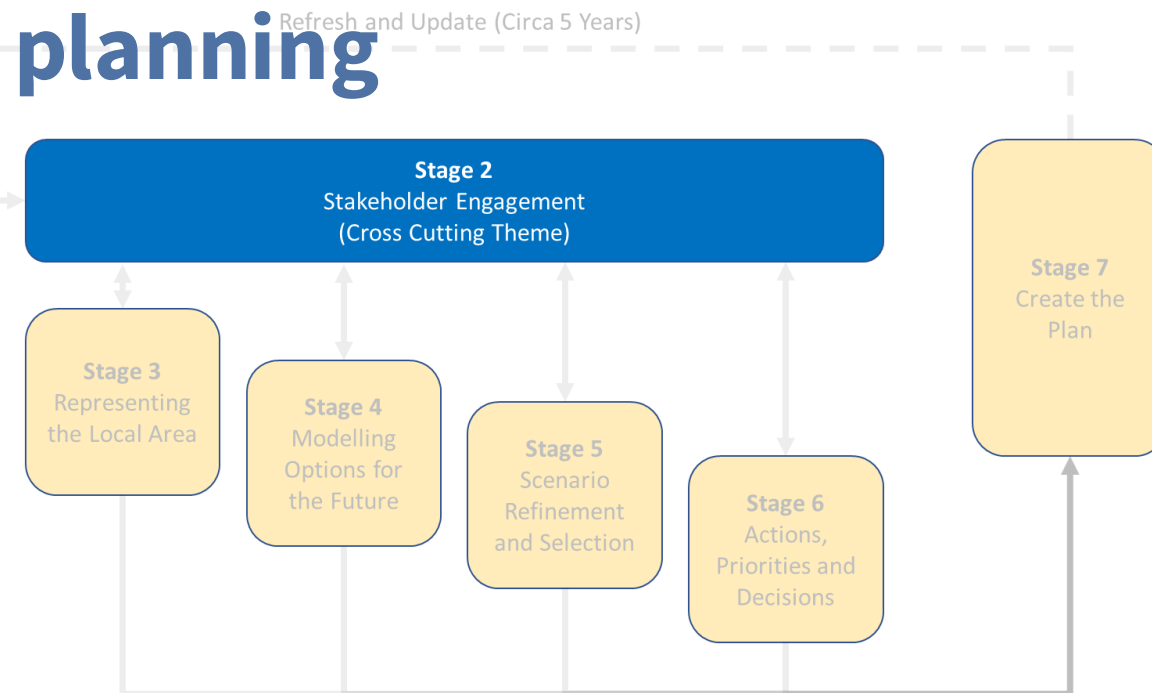
Developing an LAEP



Trail-blazing a novel approach to co-production within energy system planning

Engaging with...

1. Primary Stakeholders
2. Key sectoral actors
3. Cornwall and IoS Members
4. Organisations and businesses
5. Residents

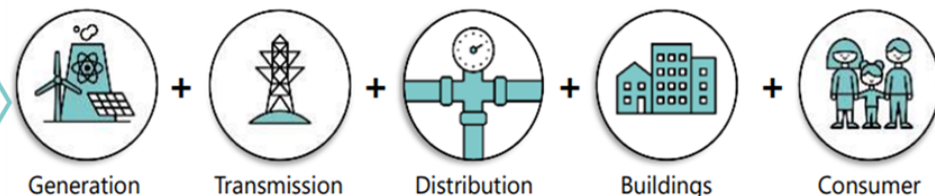


- ✓ The Local Area Energy Plan Public Survey (3,762 responses)
- ✓ Insight Interviews with energy sector actors
- ✓ Six Roadshow events across Cornwall and IoS
- ✓ Sector Engagement
- ✓ Public Call for Evidence
- ✓ Residents' Energy Panel
- ✓ Supporting promotion and public engagement campaign

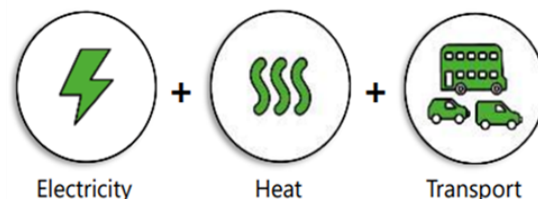
CIOS Local Area Energy Plan...

Taking a whole systems approach by:

Joining up the energy system from energy source to the consumer

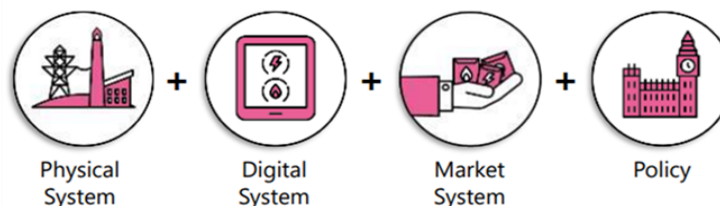


Breaking down silos that exist between energy vectors








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Connecting the physical requirements of the system, with policy, market and digital arrangements



...and how will it be used...

-  Promote cost-effective solutions for energy generation, distribution, and consumption whilst reducing carbon emissions.
-  Enhance the efficiency, security and resilience of the local energy system via sector-based interventions.
-  Enable local leadership to support a clean transition and plan energy infrastructure that aligns with current and future needs.
-  Stimulate economic development and job creation through the growth of local clean/green energy industries.
-  Address causes of fuel poverty and sources of energy inequality to maximise well-being and other wider community benefits.

CORNWALL & ISLES OF SCILLY

LOCAL AREA ENERGY PLAN

Our future energy system will be cleaner, more affordable and resilient, retaining the social and economic benefits of the transition in the region.

This will enable us to:

Tackle energy inequalities:

Making our homes, businesses and transport greener and more affordable

Improve energy security:

Generating, owning and using our energy locally to reduce bills and reduce our reliance on imported energy sources

Retain the benefits locally:

Growing our economy through unlocking infrastructure, investment, jobs, skills and supply chain.

Delivered through five Net Zero Missions:



TRANSITIONING TO RENEWABLE ENERGY AND ALTERNATIVE FUEL SUPPLY

Enable industry, businesses and communities to realise the opportunities presented by established and emerging technologies to power our economy and retain the benefits locally.

- Maximising rooftop solar
- Re-powering existing on-shore wind
- Geothermal for heat and power
- Unlocking the potential of off-shore wind
- Supporting community energy
- Developing alternative fuels



DECARBONISATION OF BUILDINGS, HEAT AND COOLING DEMAND

Tackle fuel poverty by working with government, homeowners and housing providers to improve household energy efficiency in new and existing properties. Unlock the deployment of low carbon heating and cooling technologies and maximise opportunities for heat networks where appropriate.

- Improving energy efficiency of buildings
- Replacing fossil fuel boilers with heat pumps
- Heat networks
- Building zero carbon building standards into new builds



DECARBONISING THE PUBLIC SECTOR ESTATE

Coordinate action across public sector partners to reduce carbon and costs by accelerating the transition to low carbon practices.

- Deploying renewable energy across the public sector estate
- Reducing energy demand and decarbonising heat



DECARBONISATION OF INDUSTRIAL, WASTE AND AGRICULTURE PROCESSES

Strengthen engagement with local businesses to understand their energy use and facilitate opportunities to accelerate their net zero transition, reducing bill and improving business resilience. Alongside promoting activities to decarbonise waste collection and processing, including opportunities for the generation of green gases.

- Smart Local Energy Systems
- Hydrogen for high temperature processes
- Biomethane and bio-gas to support on farm energy



DECARBONISING TRANSPORT

Work with government, regional, and national partners to advance transport electrification and support the transition to low-carbon fuels, reduce travel demand, and promote sustainable travel modes. Alongside exploring opportunities to decarbonise freight, aviation, and maritime sectors.

- Transition to electric vehicles (EVs)
- Alternative fuels for HGVs, maritime and aviation
- Modal shift to active travel and public transport
- Rail electrification

£13.3bn

To maintain delivery of current energy system

or:

Additional investment of:

£9.7bn to transition to a net zero energy system

of which:

£5bn is investment in renewable technologies we can benefit from

Which helps unlock:

7,000
Jobs

£620
A year savings on household energy bills

£112m
Air quality damage savings

99%
Emission reduction

Continuing to place net zero at the heart of council strategy and policy



Guiding principles shaping the plan going forward

Co-developed with Residents Energy Panel

- Align global (Paris agreement) and national policy (net zero by 2050) expectations with local evidence base to reset long-term ambition, with achievable “stepping stone” goals to build momentum and public support
- Utilise the opportunities presented by Cornwall’s assets and emerging technologies to unlock the energy transition as both a key driver and enabler for economic growth and investment into Cornwall becoming a centre of excellence for green technologies and innovation.
- Ensure Cornwall’s residents and businesses benefit directly from the net zero transition and are not unduly burdened
- Prioritise emission reduction over offset focussing action on local growth and savings opportunities
- Cornwall Council to continue to lead by example and demonstrate how an organisation responds to climate change