

9 September 2020

Local Delivery of Net Zero

APSE Climate and Ecological Emergency Online Seminar:
Building Back Better: Building Back Greener

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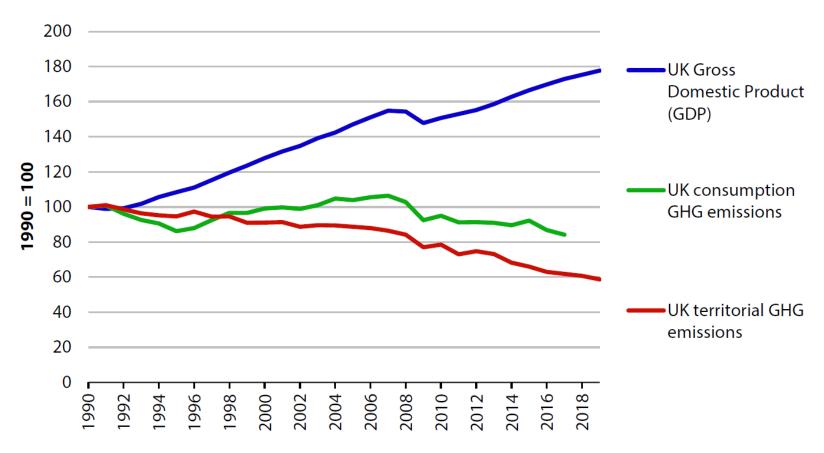
Purpose of this presentation is to explain:

- 2020 Progress report and sixth carbon budget
- How the CCC is looking at local delivery
- Priority actions that Local Authorities should be taking
- What support councils say they need from government





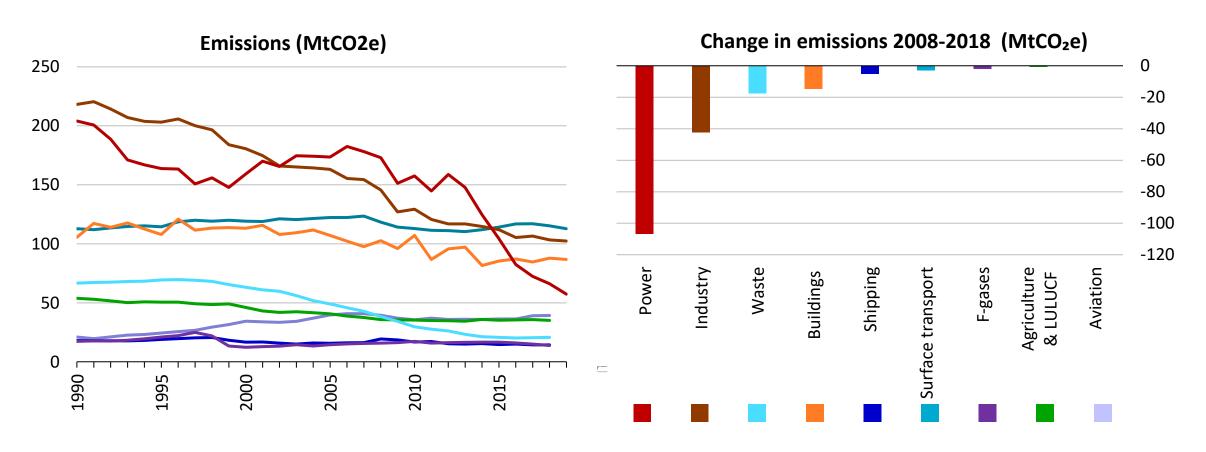
Greenhouse gas emissions vs GDP over time



Source: BEIS (2020) 2019 UK Greenhouse Gas Emissions, Provisional Figures; BEIS (2020) 2018 UK Greenhouse Gas Emissions, Final Figures; ONS (2020) Gross Domestic Product: chained volume measures: Seasonally adjusted £m; Defra (2019) UK's carbon footprint; CCC analysis



UK greenhouse gas emissions by sector 1990-2019



Source: BEIS (2020) 2019 UK Greenhouse Gas Emissions, Provisional Figures; BEIS (2020) 2018 UK Greenhouse Gas Emissions, Final Figures



Summary policy progress

Cross-economy coordination

Net Zero as headline goal

Cabinet Committee set up

HMT Funding Review underway

UK ETS will reflect Net Zero

Climate Assembly

Progressed

In development

Policy gap

Sectoral policy

Transport

≤2035 EV switch

Transport strategy in development

HGVs

Industry

Some industry funds

CCS plans

No industry or Hydrogen strategies

Buildings

Future Homes

Heat and Buildings strategy must transform heating

Power

Offshore wind, onshore wind & solar

Flexibility for energy system

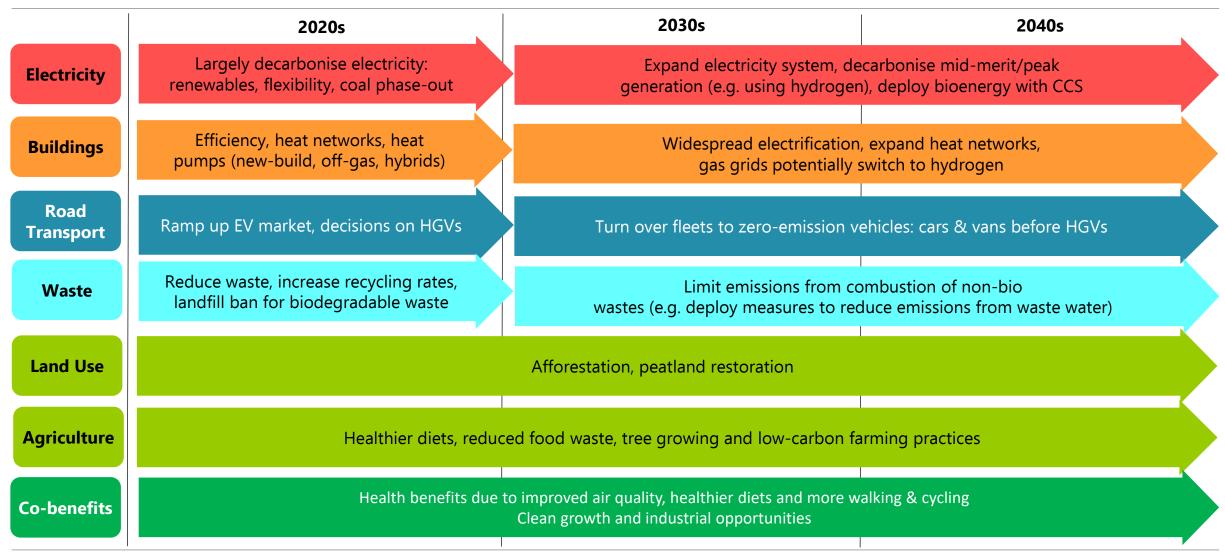
Agriculture and land use change

Agriculture & Environment Bills in development

Funding for woodland & peat



Pathways to Net Zero





Areas where local-level policy has a key role to play – misses leadership/convening/influencing role

	Nationally driven	Locally driven
Buildings	 Building regulations National Planning Policy f/wk & guidance National retrofit funding programme Introduction of Building Green Passports 	 Local Planning Authority: Local Plan – net zero hooks Local area energy plans (LAEPs)/heat mapping for heat decarbonisation (e.g. heat pumps, low-carbon heat networks, hydrogen) gas phase out by 2033? No gas boilers in new homes from 2025 Energy Efficiency retrofit in social and council homes Energy efficiency in private rented sector? Energy efficiency retrofit supply chain supported?
Transport	 All car/van sales electric by 2035 at latest Transport infrastructure funding from DoT 	 Transport planning, walking & cycling infrastructure EV charging infrastructure new developments & on-street-parking) Switch to ultra-low emission buses/taxis through licensing or clean air zones
Waste	 No bio-degradable waste to landfill by 2025 70% recycling rate by 2030 at latest 	 Mandatory separation of waste by 2023 Alert to rising emissions from unabated EfW facilities Waste minimisation schemes incl food waste reduction
Landuse	 30,000ha afforestation annually 	Tree planting including on county farms & own land



Local authority influence & role in delivering Net Zero

LED Street Lights

Directly investing in renewables to drive revenue

Local Transport
Plan

Local Cycling & Walking Investment Plan

Boosting a zero waste circular economy

Private rented & owner occupier retrofit pilots

Enabling & influencing residents and businesses

EV fleet switch

Energy efficiency on own estate

EV charge points

Core Strategy & Local Plan

Council & social housing retrofit

Local Area Energy Plans

Local Retrofit Sector development

Developing net zero ambition on area emissions

Direct control:

buildings, operations, travel

Procurement and commissioning goods & services

Place Shaping: using powers to control development and transport

Showcasing: innovating, piloting, demonstrating and rewarding good practice, sharing lessons and norming

Convening & contributing: bringing people & organisations together, supporting partnerships, co-ordinating efforts by others, joining others' partnerships

Communicating and Engaging:

Translating global & national climate change targets for local relevance; with stakeholders to raise awareness, gain acceptance and ideas for the local solutions



Resilient recovery policies

Infrastructure investment

- Housing retrofits; small business energy efficiency; district heating
- Local area energy plans & green building passports
- Electricity, CO₂, H₂ networks
- EV charging
- Flood defences
- Circular economy

Supporting people

- Reskilling & Retraining
- Nature recovery
- Remote working & e.g. remote NHS
- Cycling and walking

Driving the pace of transition

- Carbon taxes
- 'Green strings' for bail-outs
- Science & Innovation
- Climate risk assessments

Taking a global lead

UK as UN lead on "Inclusive and sustainable recovery"



What is needed from government?

- Consistent net zero compliant policy, co-ordination between <u>all</u> government departments, remove barriers and contradictions especially in National Planning Policy
- Communication: delivery framework & routemap outcome-based with flexible options for locally appropriate delivery – pioneer LAs can go faster – align to LA decision timelines
- Duty to produce low carbon area plans with common **reporting framework** & resources
- Stronger focus on carbon reduction & co-benefits in business cases and financial appraisal
- Support for Local Area Energy Plans and capacity building/training, new powers?
- Large scale non-competitive long-term investment in retrofit, heat decarbonisation infrastructure, public transport and <u>flexibility</u> to combine and deploy budgets locally
- Support to resource and develop skills and capacity within local authorities/groups of smaller LAs and to share lessons (not just nice case studies)
- OLEV is a good start with EST **local authority support**, this is needed for housing retrofit and heat to drive delivery and put information in one place



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