

ZERO CARBON BRITAIN

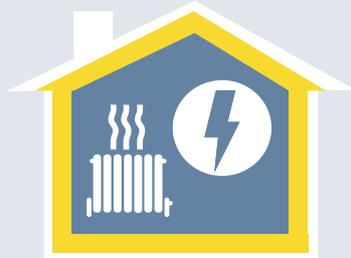
RISING TO THE CLIMATE EMERGENCY

How can we achieve net zero greenhouse gas emissions using only proven technology?

POWER DOWN REDUCE ENERGY DEMAND FOR HEATING 50%

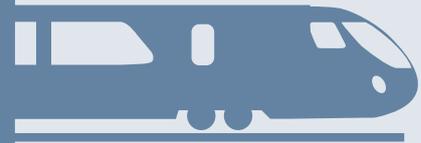
CUT EMISSIONS WITH:

- High 'Passivhaus' standards for new buildings
- Retrofitting all existing buildings
- Improve internal temperature control



Reducing how much we travel, changing modes of travel and using more efficient vehicles could

CUT ENERGY DEMAND FOR TRANSPORT 78%



CAPTURE CARBON with natural climate solutions

FOREST AREA is DOUBLED to **24%** of the LAND AREA of the UK



RESTORE **50%** OF UK PEATLANDS.



Each year, on average, we could CAPTURE around **47 MILLION TONS OF CO₂ EMISSIONS**

POWER UP WE CAN SUPPLY 100%

of the UK's 'powered-down' energy demand with **RENEWABLE AND CARBON NEUTRAL ENERGY SOURCES.**

SMART APPLIANCES and short- and long-term **STORAGE** mean a 100% renewable energy system can provide power **24 HOURS A DAY ALL YEAR ROUND**



	50% Wind
	20% Biomass
	11% Ambient heat
	7% Solar PV
	5% Wave & Tidal
	2% Geothermal electricity
	2% Solar thermal
	1% Hydro
	1% Geothermal heat

HEALTHY HAPPY LIVES

- **BETTER BALANCED DIETS**
- **RESTORED AIR QUALITY**
- **RESTORED BIODIVERSITY**
- **SUSTAINABLE, THRIVING ECONOMY**

Through **dietary change, food waste reduction** and **improved agricultural practices** we can provide a **healthy, sustainable diet**, whilst also reducing food imports.



Centre for Alternative Technology
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Visit our website or get in touch to find out more and join the change.



www.cat.org.uk



info@cat.org.uk



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