

BUILDING A LOW-CARBON ECONOMY IN WALES

Reducing emissions and protecting the well-being of future generations

New Welsh carbon targets are guided by...

Environment (Wales) Act – at least

80% emissions reduction

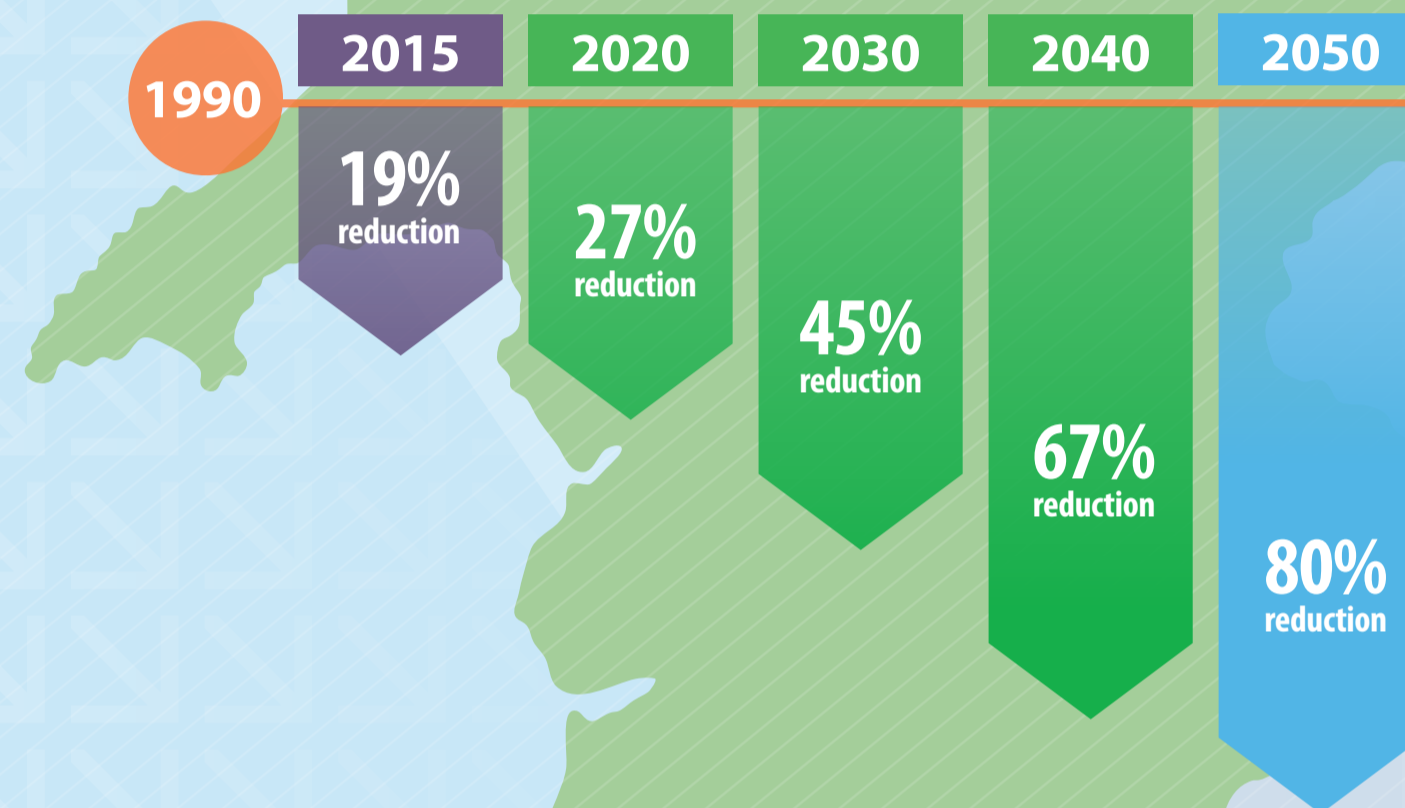
by 2050, compared to 1990

Well-being of Future Generations Act – sets 7 well-being goals for Wales

- | | |
|------------|----------------------------|
| Prosperity | Cohesive communities |
| Resilience | Culture and Welsh Language |
| Health | Global responsibility |
| Equality | |

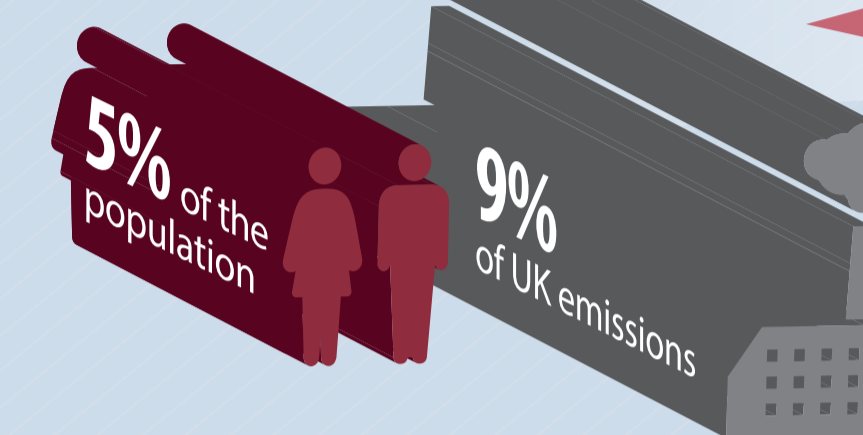
Interim targets for Wales

...create a pathway to 2050 target



Welsh carbon targets are affected by specific circumstances

Wales has...



55% of Welsh emissions are from large sources in power and industry,

compared to 40% in the UK.

meaning per-capita emissions are higher

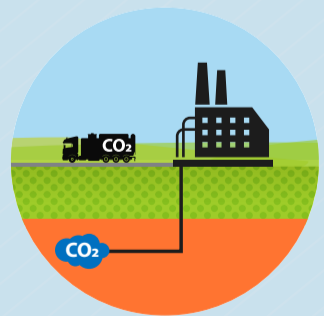


This means an **80%** target is **more stretching** for Wales than the UK as a whole.

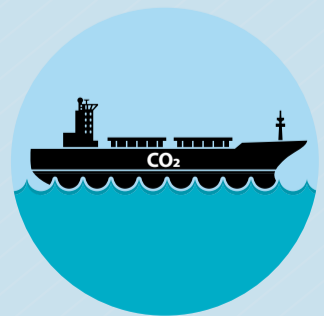
Wales can tackle climate change while retaining industry



Industry can remain an important part of the economy while Wales decarbonises.



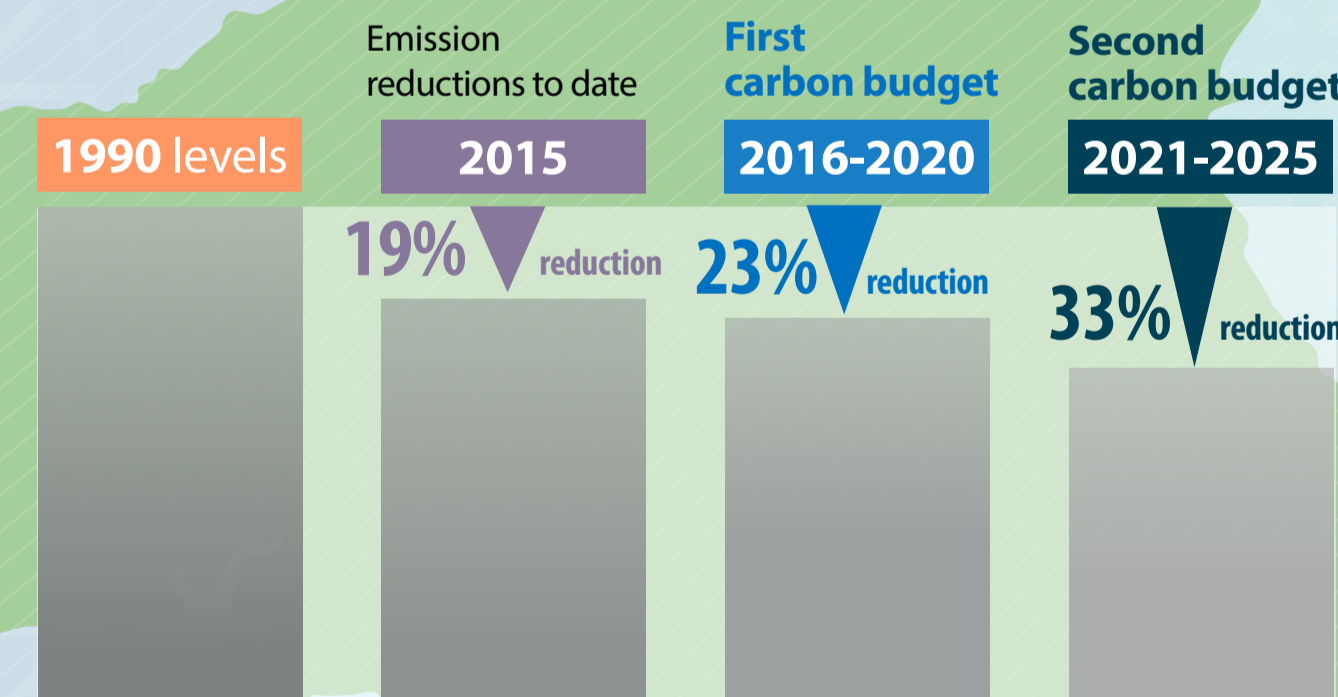
From the late 2030s Carbon Capture, Utilisation and Storage (CCUS) can make a contribution.



CCUS must overcome challenges in South Wales, for instance transportation of CO₂ to storage sites further afield.

Welsh carbon budgets

...set 5-yearly limits on emissions



Aberthaw Coal Power Station is due to close by 2025. If it closes early these targets should tighten.

14% of Welsh emissions

There are many benefits of a low-carbon Wales

Lower fuel poverty



Better air quality



Fitter, healthier population



Improved natural environment

