

# NEWS HIGHLIGHTS June 23

Ian Hawker

Carbon Brief, CCC reports, BBC...

## **1.5C Global Average Temp Rise within 5 years BAD**

There is a “66% chance” of global temperatures breaching 1.5C above pre-industrial temperatures within the next five years says World Meteorological Association (WMO). This is partly due to rising emissions and the El Niño weather pattern later this year (pumping warm water up from the Pacific)

## **UK Carbon Reduction Pathway – CCC BAD**

The government’s new Net Zero delivery plan gives more detail & transparency” but worsened the outlook for the UK meeting its longer term emissions targets. The government is missing coherent plans & is over-reliant on untried technical Solutions such as hydrogen & CCS. The UK is yet react to the US Inflation Reduction Act and the EU’s proposed Green Deal Industrial Plan

## **Ocean Heat Wave BAD**

Intense marine heat increases 3-4C have developed in seas around the UK and Ireland. The Met Office says the reason is partly human-caused climate change, but less well understood natural and man-made factors appear to be driving temperatures up further

## **Mass Migration Prediction BAD**

New research finds that 2 billion people could be forced to migrate by 2100 as the planet warms. by 2.7C above pre-industrial levels. Every 0.1C of warming 140 million people will be exposed to hazardous heat conditions.

### **China Electricity Generation** GOOD

51% of China's installed capacity of electricity is from non-fossil sources ahead of the expected 2025 date. An "ultra-high voltage direct current transmission line" that links Ningxia, north west China, with Hunan, central China, begun construction delivering 36 terawatt hours of electricity annually from the desert by 2025.

### **China Photovoltaic (PV)** GOOD

China's installed PV capacity now 33 GW.

China manufactures 80% of all the solar panels produced globally, 85% of solar cells, 88% of solar-grade polysilicon and 97% of the silicon wafers. Backed by low-cost capital, rapid regulatory approvals, protection from foreign competition, lower labour costs, Chinese Suppliers and fast-growing domestic demand

### **World Energy Investment** GOOD

International Energy Agency (IEA) says \$1.7tn is forecast to be spent on clean technologies in 2023 compared with \$1tn on fossil fuels.

### **Bonn Climate Meeting 5-15 June 23** BAD

Lack of ambition by the United Arab Emirates (COP28 host nation). No agenda item to accelerate emissions cuts or increase NDCs. Climate finance likely to disrupt COP28 negotiations.

## The War In Ukraine – UK Impact

Short term demand for fossil fuels + green technology development for the longer term

### Oil & Gas

Five oil-and-gas fields in the North Sea marked for accelerated development - Cambo, Murlach, Talbot, Affleck & Victory. Nearly 900 locations are being offered for exploration & 100 licences awarded.

*A future Labour Government promises to halt further oil exploration & accelerate green transition.*

*Horse Hill test case in Surrey challenge to future UK fossil fuel extraction*

### Wind Power

Ambition is x5 increase in wind power to 50 GW by 2030 with continued expansion to 2050.

Offshore with approval times cut from 4 years to 1 year *Labour to lift onshore ban*

Wind powered electricity nine times cheaper than current gas prices

### Solar Power

Grow UK solar power currently 14GW to 70GW including rooftops - TBA

### Nuclear

Increase UK nuclear from 16% to 25% by 2050 (x3 nuclear capacity)

Up to eight new reactors to be built on existing sites producing additional 24GW by 2050

West Burton selected as home of STEP fusion plant to prove low carbon electricity from fusion

### Hydrogen

Double UK hydrogen production to 10GW by 2030 (50% green hydrogen large coastal facilities)

### National Grid

Many solar, wind and local power schemes waiting for 10-15 years for connection to national grid