

Cruise Ship

Grams of CO₂E per passenger over 1km ▶ 250

Short-haul flight

246

Diesel car

171

Petrol car

170

Medium-haul flight

151

Long-haul flight

147

Motorbike

113

Bus

96

68

Plug-in hybrid

47

Electric car

35

National rail

28

Tram

27

London Underground

19

Ferry

4.5

Eurostar Train



The Carbon Footprint of

Major Travel Methods

Emissions will vary depending on energy mix, transport technology, and occupancy.



CLIMATE CHANGE NEWS - Apr 24

Climate Case Victory

A group of older Swiss women have won the first ever climate case victory in the European Court of Human Rights. The women claimed that their age and gender made them particularly vulnerable to the effects of heatwaves linked to climate change. The court said Switzerland's efforts to meet its emission reduction targets had been woefully inadequate. The ruling is binding and can trickle down to influence the law in 46 countries in Europe including the UK.

Crippling Debt Holds Back Climate Action

The annual World Bank and IMF meetings have “wrapped up without a concrete plan to mobilise the trillions of dollars needed to fight climate change. Major global financial reforms required to tackle the “crippling debt holding back action on climate change. Emerging economies will pay a record \$400bn to service their debts this year,

Economic Impact Of Climate Change *Potsdam Institute*

Climate change will reduce global income by about 19% over the next 25 years. Poorest areas and those least responsible for climate change will take the “biggest monetary hit”. The impact of climate change is estimated at \$38tn a year by 2049.

CLIMATE CHANGE NEWS - Apr 24 cont

Global Meat Production Increase

Global meat production rose 9% between 2015 and 2021, while dairy production increased 13%. Financiers provided \$77bn (£60bn) to grow meat industry despite anti-deforestation policies

Europe Unprepared For Climate Change

European Environment Agency (EEA) Climate Risk Assessment reported Europe is not prepared for climate change citing wildfires, flooding & extreme weather

Note: In UK CCC reported July 23 only 5/45 policy areas have adequate climate change adaptation plans

US Vehicle Emissions Legislation

US president has moved to reduce car pollution by bringing in new tailpipe emissions limits designed to compel car makers to boost sales of battery-electric and plug-in hybrid models

US Power Plant Emission Reduction

The US has finalised a plan to cut emissions from the nation's power plants. The new Environmental Protection Agency (EPA) regulation requires US coal power plants to cut 90% of their greenhouse gas emissions by 2032 if they are going to continue operating beyond 2039

Reducing US Factory Emissions

The US energy department will spend \$6 billion to fund 33 projects in 20 states to test methods for reducing emissions from factories and industrial plants. The industrial sector is responsible for roughly 25% of US emissions and has proved difficult to decarbonise.

CLIMATE CHANGE NEWS - Apr 24 cont

Global Wind Installation

The global wind industry built a record 117 gigawatts (GW) of new capacity last year, which needs to triple annually by 2030. The Global Wind Energy Council (GWEC) says capacity installation last year was 50% higher than the year before. New onshore wind was responsible for 106GW and offshore wind 11GW. The top markets were China, the US, Brazil, Germany and India. It took us over 40 years to reach 1TW and have seven years to install the next 2TW.

Food Waste

An estimated 19% of food produced globally was wasted in 2022, according to the UN. Households produce 60% of the waste, food services 28% and retail 12%.

Network Rail

Network Rail is planning to spend £2.8bn to protect the railway from the effects of climate change, to cope with more extreme heat in the summer and more floods in the winter as part of a wider £45.4bn five-year investment plan to upgrade UK rail network, The investment will make embankments more resilient, recruit 400 additional drainage engineers, and install CCTV where there is a high risk of flooding

Rising Global Temperatures

March 2024 was the “tenth straight month to be hottest on record. Data from the Copernicus Climate Change Service (C3S) shows that land temperatures in March 2024 averaged 1.68C warmer than the average temperature in the late 1800s. It continues: The globe has now experienced 12 months with average monthly temperatures 1.58C. El Niño is responsible for some of the heat but it has passed its peak and temperatures are still rising.

CLIMATE CHANGE NEWS - Apr 24 cont

Pakistan Floods

A Pakistani province Khyber Pakhtunkhwa has issued a flood alert because of glacial melting, warning of a heavy loss of life. People must move to safer locations. At least 2,875 houses and 26 schools have collapsed or been damaged and 59 people, including 33 children, have died in the past five days.

Severe Flooding in Asia

Russia and Kazakhstan have ordered more than 100,000 people to evacuate after melting snow swelled rivers beyond bursting point, leading to the worst flooding in the area for at least 70 years.

South Sudan School Closures

South Sudan's government closed all schools due to a wave of extreme heat. The country's health and education ministries advised parents to keep all children indoors as temperatures soar to 45C

Sustainable Aviation Fuels

Under government plans airlines in the UK will have to progressively switch to “greener more expensive”, fuel sources. By 2030, 10% of jet fuel used on flights taking off in the UK will need to be made up of sustainable aviation fuels made up of a diverse range of sources – from crops and used cooking oil to household wastes – which emit about 70% less carbon dioxide over its lifecycle than traditional aviation fuel,

UK Energy Plans

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.

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

Nuclear

Increase UK nuclear from 16% to 25% by 2050 (x3 nuclear capacity) *Not on track*
Up to eight new reactors to be built on existing sites producing additional 24GW by 2050
Small nuclear reactors
West Burton home of STEP fusion plant

Hydrogen

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

National Grid

Solar, wind and local power schemes to wait 7 years max for connection to national grid.