

Climate SOS Handbook: Key reading and References

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Key reading

2018 [Global Warming of 1.5 °C \(Summary for Policymakers, Chapters 1-5, Glossary\) \(IPCC\)](#)

References (in order of appearance)

“higher than they have been in 3-5 million years” [Climate-heating greenhouse gases hit new high, UN reports | Greenhouse gas emissions | The Guardian](#)

Graphic: For millennia... [Graphic: The relentless rise of carbon dioxide – Climate Change: Vital Signs of the Planet \(nasa.gov\)](#)

Quote: Johan Rockström [World leaders told they must act over climate change 'cliff-edge' | Climate change | The Guardian](#)

“With increasing frequency and intensity” [New data confirm increased frequency of extreme weather events: European national science academies urge further action on climate change adaptation -- ScienceDaily & Extreme Weather | National Climate Assessment \(globalchange.gov\)](#)

Graphic: The past decade was the warmest on record [Climate emergency: 2019 was second hottest year on record | Environment | The Guardian](#)

“hundreds of billions of pounds in damage each year” [15 climate disasters of 2019 that cost more than \\$1 billion - UK charity fighting global poverty | Christian Aid | Mediacentre](#)

Graphic: Extreme weather events... [Climate crisis linked to at least 15 \\$1bn-plus disasters in 2019 | Extreme weather | The Guardian](#)

Graphic: 2100 Warming projection graphic [Improvement in warming outlook as India and China move ahead, but Paris Agreement gap still looms large | Climate Action Tracker](#)

Quote: David Attenborough [David Attenborough: collapse of civilisation is on the horizon | Climate change | The Guardian](#)

“halved by 2030” [sr15_spm_final.pdf \(ipcc.ch\)](#)

Quote: Debra Roberts [We have 12 years to limit climate change catastrophe, warns UN | Climate change | The Guardian](#)

Quote: James Hansen [We have 12 years to limit climate change catastrophe, warns UN | Climate change | The Guardian](#)

References (in order of appearance)

"decarbonise their economy since 2000" [UK Climate Leadership - UN Climate Change Conference \(COP26\) at the SEC – Glasgow 2021 \(ukcop26.org\)](#)

"under 2% in 2019" [Britain's electricity since 2010: wind surges to second place, coal collapses and fossil fuel use nearly halves \(theconversation.com\)](#)

"come from the energy sector" [2019 UK greenhouse gas emissions, provisional figures \(publishing.service.gov.uk\)](#)

"reduced less than required" [UK homes 'shockingly unprepared' for climate change, says CCC | Carbon Brief](#)

"have barely fallen" [Climate change: UK aim of 68% emissions cut a 'colossal challenge' - BBC News](#)

"facilitated new gas-fired power stations" [Two new gas power stations given green light - GOV.UK \(www.gov.uk\)](#) & [ESB opens €820m Carrington Power Station in Manchester & UK approval for biggest gas power station in Europe ruled legal | Energy | The Guardian](#)

"rail ticket prices since 2010" [Rail passengers face 'another decade of misery' as train tickets rise by 40% since 2010 \(thelondoneconomic.com\)](#)

"through the Capacity Market" [UK brings forward coal phase-out to 2024 \(argusmedia.com\)](#)

"reduction targets in 2025 and 2030" [UK to miss legal climate targets without urgent action, official advisers warn | Greenhouse gas emissions | The Guardian](#)

Quote: Chris Stark [CCC: UK has just 18 months to avoid 'embarrassment' over climate inaction \(carbonbrief.org\)](#)

Quote: Lord Deben [Green Recovery \(electricityinfo.org\)](#)

Key reading

16.12.20 [Climate Change Plan 2018-32 update \(Scottish Government\)](#)

December 2020 [Stop Climate Chaos Scotland manifesto for Holyrood 2021](#)

References (in order of appearance)

Quote: Nicola Sturgeon [Nicola Sturgeon: 'The climate emergency has not gone away' | The Scotsman](#)

Graphic: Scotland's renewable energy targets [Enough renewables to meet 90% Scottish electricity demand - BBC News](#)

"among the strongest in the Global North" [SCCS-Manifesto-FINAL-.pdf \(stopclimatechaos.scot\)](#)

"from 1990 levels to a 75% target" [Enough renewables to meet 90% Scottish electricity demand - BBC News](#)

"£1.6 billion in improving the energy efficiency of housing" [Nicola Sturgeon: 'The climate emergency has not gone away' | The Scotsman](#)

"Free bus travel for young people" [Climate Change Plan Falls Short of Transformative Action Needed - Friends of the Earth Scotland \(foe.scot\)](#)

Key reading

[Oil and gas \(Scottish Government\)](#) webpage

16.12.20 [Climate Change Plan Falls Short of Transformative Action Needed \(Friends of the Earth Scotland\)](#)

References (in order of appearance)

Quote: Nicola Sturgeon [Scottish nationalists' love of North Sea oil sours – POLITICO](#)

“fiscal regime and regulation of the oil industry” [Oil and gas - gov.scot \(www.gov.scot\)](#)

“It’s Scotland’s Oil” [Scottish nationalists' love of North Sea oil sours – POLITICO](#)

“Carbon Capture and Storage and hydrogen technologies” [Oil and gas - gov.scot \(www.gov.scot\)](#)

“a date for the end of North Sea Oil extraction” [Climate crisis is 'longer term emergency' than the coronavirus pandemic, Sturgeon told - Daily Record](#)

“back down under pressure” [Scottish government scraps air tax cut - BBC News](#)

“billions on road schemes” [‘Reckless’ road spending plans must be redirected in climate emergency - Friends of the Earth Scotland \(foe.scot\)](#)

“Just Transition Commission’s express recommendation” [Climate Change Plan Falls Short of Transformative Action Needed - Friends of the Earth Scotland \(foe.scot\)](#) & [More Rhetoric Than Action On Just Transition Say Unions And Environmentalists - Friends of the Earth Scotland \(foe.scot\)](#)

Quote: Craig Berry [Scottish nationalists' love of North Sea oil sours – POLITICO](#)

Key reading

Nov 2020 [The Production Gap Special Report 2020 \(productiongap.org\)](#)

March 2013 [The Burning Question | A book by Mike Berners-Lee and Duncan Clark | We can't burn half the world's oil, coal and gas. So how do we quit?](#)

19.7.12 [Global Warming's Terrifying New Math \(Rolling Stone\)](#)

13.7.11 [Unburnable Carbon: Are the World's Financial Markets Carrying a Carbon Bubble? \(Carbon Tracker Initiative\)](#)

References (in order of appearance)

Graphic: carriages [The Burning Question | A book by Mike Berners-Lee and Duncan Clark | We can't burn half the world's oil, coal and gas. So how do we quit? Pg 54](#)

*“stop the **supply** of fossil fuels”* [Keep fossil fuels in the ground to stop climate change | George Monbiot | Environment | The Guardian](#)

“we could emit and stay below 2 degrees” [Global Warming's Terrifying New Math - Rolling Stone](#)

“the budget will need to be smaller” [New Global CO2 Emissions Numbers Are In. They're Not Good. | World Resources Institute \(wri.org\)](#)

GRAPHIC?: Carbon bubble [Unburnable Carbon: Are the World's Financial Markets Carrying a Carbon Bubble? - Carbon Tracker Initiative](#)

“\$4.9 trillion dollars over the next ten years” [Overexposed: 1.5°C and the risks of overinvestment in oil and gas | Global Witness](#)

“must fall by 6% a year until 2030” [World is ‘doubling down’ on fossil fuels despite climate crisis – UN report | Fossil fuels | The Guardian](#)

Graphic: Global fossil fuel production [The Production Gap Special Report 2020 \(productiongap.org\)](#) pg 22

“64% chance of staying below 1.5 °C” [Immediate fossil fuel phaseout could arrest climate change – study | Climate change | The Guardian](#)

“only two ways to avert the carbon bubble bursting” [What is the carbon bubble and what will happen if it bursts? | Greenhouse gas emissions | The Guardian](#)

“now legally bound” [The UK is making it a legal duty to maximise greenhouse gas emissions | Environment | The Guardian](#)

Key reading

25.5.16 [How the UK taxpayer could spend millions funding the hunt for fracked gas \(Unearthed - greenpeace.org\)](#)

References (in order of appearance)

Graphic: Shale gas extraction [What is fracking and why is it controversial? - BBC News](#)

Quotes: George Osborne ['Generous' tax breaks for shale gas industry outlined - BBC News](#)

"a series of tax breaks for fracking companies" [How the UK taxpayer could spend millions funding the hunt for fracked gas - Unearthed \(greenpeace.org\)](#)

Quote: Francis Egan [Budget 2013: George Osborne commits to UK shale gas boom | Fracking | The Guardian](#)

"a £25 million give-away" [How the UK taxpayer could spend millions funding the hunt for fracked gas - Unearthed \(greenpeace.org\)](#)

Key reading

- 9.11.20 [Doubling Back and Doubling Down: G20 scorecard on fossil fuel funding \(International Institute for Sustainable Development \(IISD\)\)](#)
- May 2020 [Still Digging: G20 Governments Continue to Finance the Climate Crisis \(Oil Change International\)](#)
- 17.6.19 [Fossil fuel support is rising again in a threat to climate change efforts \(OECD\)](#)
- May 2019 [Global Fossil Fuel Subsidies Remain Large: An Update Based on Country-Level Estimates \(IMF\)](#)
- 7.8.17 [Fossil fuel subsidies are a staggering \\$5 tn per year | Climate change \(The Guardian\)](#)
- 12.6.17 [Explainer: The challenge of defining fossil fuel subsidies \(The Carbon Brief\)](#)
- Nov 2015 [Empty promises: G20 subsidies to oil, gas and coal production \(Overseas Development Institute \(ODI\)\)](#)
- 20.5.15 [The IMF says we spend \\$5.3 trillion a year on fossil fuel subsidies. How is that possible? –\(Vox\)](#)
- 1994 [AGREEMENT ON SUBSIDIES AND COUNTER-VAILING MEASURES \(WTO\)](#)

References (in order of appearance)

- “accepted WTO definition of subsidies” [WTO | legal texts - Marrakesh agreement](#)
- “2019 IMF Working Paper distinguishes” [Global Fossil Fuel Subsidies Remain Large: An Update Based on Country-Level Estimates \(imf.org\)](#) pg 7
- “\$584 billion annually” [Doubling Back and Doubling Down: G20 scorecard on fossil fuel funding | International Institute for Sustainable Development \(iisd.org\)](#)
- “\$5.2 trillion in 2017” [Fossil fuel subsidies: the IMF says we pay \\$5.2 trillion a year - Vox](#) & [Global Fossil Fuel Subsidies Remain Large: An Update Based on Country-Level Estimates \(imf.org\)](#)
- “dwarf the subsidies given to clean energy” [G20 public finance for fossil fuels 'is four times more than renewables' | G20 | The Guardian](#)

[\(link to top\)](#) **How far has the international community got with fossil fuel subsidy reform?** (*Handbook pg 18*)

Key reading

May 2020 [Still Digging: G20 Governments Continue to Finance the Climate Crisis - Oil Change International \(Oil Change International\)](#)

17.6.19 [Fossil fuel support is rising again in a threat to climate change efforts \(OECD\)](#)

April 2015 [Fossil Fuel Subsidy Reform and the Communiqué \(Friends of Fossil Fuel Subsidy Reform\)](#)

References (in order of appearance)

“New Zealand Coordinates...” <https://www.beehive.govt.nz/release/new-zealand-coordinates-action-fossil-fuel-subsidy-reform>

“The Looking-glass World...” <https://neweconomics.org/2016/07/the-looking-glass-world-of-fossil-fuel-subsidies/>

“Vulnerable nations call...” <https://www.climatechangenews.com/2017/04/24/vulnerable-nations-call-g20-end-fossil-fuel-subsidies-2020/>

“Talk is Cheap:...” <http://priceofoil.org/2017/07/05/g20-financing-climate-disaster/>

“One Step Forward...” <https://www.iisd.org/articles/one-step-forward-two-steps-back-fossil-fuel-subsidies-and-reform-rise>

“End fossil fuel subsidies...” <https://news.un.org/en/story/2019/05/1039241>

“G20 Backtracks on...” <https://www.iisd.org/articles/g20-backtracks-fossil-fuel-funding-phase-out-covid-19-recovery>

Key reading

Sep 2020 [CDC's energy investments: Building just, green development? \(CAFOD\)](#)

Sep 2020 [UK Support for energy overseas 2010-2018 \(CAFOD\)](#)

May 2020 [Decarbonising aid Why we must stop UK financing for fossil fuels overseas \(Global Justice Now\)](#)

15.2.20 [Doing more harm than good Why CDC must reform for people and planet \(Global Justice Now\)](#)

6.2.20 [In Aid of Who?: The obscure investment fund using UK aid money to finance climate change around the world \(Global Witness\)](#)

June 2019 [UK Export Finance - Environmental Audit Committee \(House of Commons - parliament.uk\)](#)

Oct 2018 [A false promise of prosperity: An analysis of UK Prosperity Fund support to the gas and oil industry \(Platform\)](#)

References (in order of appearance)

“At least £4.75 billion and counting...” £3.9 billion report figure ([gjn - decarbonising aid final - may 2020.pdf \(globaljustice.org.uk\)](#)) plus \$1.15 billion loans and loan guarantees for Mozambique gas project ([UK could face lawsuit over \\$1bn aid to Mozambique gas project | Fossil fuels | The Guardian](#))

“£568 million...” [gjn - decarbonising aid final - may 2020.pdf \(globaljustice.org.uk\)](#)

“\$39 million loan...” [web gjn - doing more harm than good cdc - feb 2020 2.pdf \(globaljustice.org.uk\)](#)

Quote: Global Witness [Funding Fossil Fuels Overseas is Not Climate Leadership | Global Witness](#)

Key reading

June 2015 [Paying the Polluter How fossil fuel subsidies hold us back from a low-carbon future \(Friends of Fossil Fuel Subsidy Reform\)](#)

April 2015 [Fossil-Fuel Subsidy Reform Communiqué \(Friends of Fossil Fuel Subsidy Reform\)](#)

References (in order of appearance)

“*Increase the costs of climate impacts*” <https://www.express.co.uk/news/science/1088196/Global-warming-effect-climate-change-damage-cost-david-wallace-wells-uninhabitable-earth>

“*stranded assets*” [ffsr information for policymakers-1.pdf](#)

“*hampering the rapid transition*” [Paying the Polluter - Friends of Fossil Fuel Subsidy Reform \(ffsr.org\)](#)

“*Sustainable Development Goals*” [Home | Sustainable Development \(un.org\)](#)

Key reading

Sep 2017 [Monitoring Europe's fossil fuel subsidies: United Kingdom \(Overseas Development Institute \(ODI\)\)](#)

13.2.17 [Written questions and answers - Written questions, answers and statements \(UK Parliament\)](#)

17.8.15 [FREEDOM OF INFORMATION REQUEST 2015 15038 \(Department of Energy and Climate Change\)](#)

2015 [UK Pathway to reform \(Friends of Fossil Fuel Subsidy Reform\)](#)

References (in order of appearance)

Quote: UK Government [FOI 2015 15038 PUB.pdf \(publishing.service.gov.uk\)](#)

“£10.5 billion- \$28 billion“ [Global Fossil Fuel Subsidies Remain Large: An Update Based on Country-Level Estimates \(imf.org\)](#) Pg 35

“Subsidies for North Sea oil and gas” (see Key reading/ References (in order of appearance) for pg 28-30)

“Tax breaks for fracking companies” (see Key reading/ References (in order of appearance) for pg 14-15)

“Subsidies for fossil fuel infrastructure overseas through aid and export finance to support trade” (see Key reading/ References (in order of appearance) for pg 19)

“Investments by majority state-owned banks” (Royal Bank of Scotland) [Why we're chanting 'Fossil Banks No Thanks!' - Friends of the Earth Scotland \(foe.scot\)](#) & [Climate protesters call on Royal Bank Of Scotland to lead the way out of fossil fuel finance \(foe.scot\)](#)

“Subsidies to power generators through the Capacity Market” [Gas-fired plants to reap huge subsidies despite uncertain future | Energy industry | The Guardian](#) & [Brussels allows UK to subsidise fossil fuel generators | Energy industry | The Guardian](#) & [UK's capacity market is not fit for purpose | ClientEarth](#) & [Energy generators to get £1bn windfall as power subsidy set to restart - BelfastTelegraph.co.uk](#)

“Freeze on fuel duty” [Why the UK Government has frozen fuel duty – again - Grantham Research Institute on climate change and the environment \(lse.ac.uk\)](#)

“5% VAT on domestic fuel and power” [VAT rates on different goods and services - GOV.UK \(www.gov.uk\)](#) & [European countries spend billions a year on fossil fuel subsidies, survey shows | Fossil fuels | The Guardian](#)

“most on subsidising fossil fuels in the EU” [UK has biggest fossil fuel subsidies in the EU, finds commission | Fossil fuels | The Guardian](#)

“least transparent of G7 nations” <https://www.desmog.co.uk/2018/06/04/uk-worst-g7-countries-hiding-fossil-fuel-subsidies-report/>

Key reading

June 2019 [Reforming Subsidies Could Help Pay for a Clean Energy Revolution: Report \(Global Subsidies Initiative\)](#)

References (in order of appearance)

"More investment in and expansion" [Shifting Subsidies to Renewable Energy Instead of Propping Up Fossil Fuel Giants Would Prompt 'Clean Energy Revolution', Study Shows | Common Dreams News](#)

"Increased tax receipts" [Global Fossil Fuel Subsidies Remain Large: An Update Based on Country-Level Estimates \(imf.org\)](#) pg 6

"reduce global CO2 emissions by one quarter and reduce the number of deaths from air pollution by a half"
[Global Fossil Fuel Subsidies Remain Large: An Update Based on Country-Level Estimates \(imf.org\)](#) pg 5

Key reading

[Just Transition - Climate Justice Alliance](#) webpage

Dec 2019 [TRUST IN TRANSITION: CLIMATE BREAKDOWN AND HIGH CARBON WORKERS \(New Economics Foundation\)](#)

May 2017 [Just Transition Centre Report for the OECD \(Just Transition Centre\)](#)

2015 [Guidelines for a just transition towards environmentally sustainable economies and societies for all \(International Labour Organization\)](#)

References (in order of appearance)

Quote: International Labor Organization [Microsoft Word - Guidelines for a just transition - copyrighted.docx \(ilo.org\)](#) Pg 4

Quote: Just Transition Alliance [Just Transition - Climate Justice Alliance](#)

Quote: Paris Agreement [Paris Agreement English \(unfccc.int\)](#) Pg 1

Key reading

[North Sea Oil and Gas – Employment, Energy and Environment \(ScotE3\) webpage](#)

Feb 2020 [The UK North Sea as a Global Experiment in Neoliberal Resource Extraction \(Platform\)](#)

May 2019 [Sea Change: Climate emergency, jobs and managing the phase-out of UK Oil & Gas extraction \(Platform\)](#)

References (in order of appearance)

Quote: Dr Richard Dixon [£250bn: the cost of giving tax breaks to North Sea oil firms \(theferret.scot\)](#)

“1.7 million barrels of oil equivalent” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 12

“the most polluting in the North Sea” [Britain's oil and gas rigs most polluting in North Sea, says report | Environment – TodayHeadline](#)

“5.7 billion barrels” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 23

“more money to oil companies than it took from them” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 6

“three types of subsidy” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 34

“20 billion barrels” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 3

“fallen by just 3% since 1990” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 3

“twice as much carbon to the atmosphere” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 3

“net loss to the Exchequer of £500 million per year” [northsea_neoliberal_experiment_final.pdf \(wordpress.com\)](#) pg 20

“almost half of the cost of decommissioning” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 7

“more than three times the UK's share” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 3

“(deferred) collapse of the industry” [SeaChange-final-r1.pdf \(exactdn.com\)](#) pg 17

Key reading

[Carbon Fee & Dividend \(Citizens' Climate Lobby UK\)](#) webpage

20.5.20 [How do fossil fuel subsidies create an effective negative carbon price? \(International Institute for Sustainable Development \(IISD\)\)](#)

16.1.19 [Economists' Statement on Carbon Dividends Organized by the Climate Leadership Council \(econstatement.org\)](#)

17.7.18 [The Future of Carbon Pricing: Implementing an independent carbon tax with dividends in the UK \(Policy Exchange\)](#)

References (in order of appearance)

"Just over 1% of global emissions..." [Carbon Pricing Dashboard | Up-to-date overview of carbon pricing initiatives \(worldbank.org\)](#) and [Pricing-carbon-during-the-recovery-from-the-COVID-19-pandemic.pdf \(lse.ac.uk\)](#)

"\$50-\$100 per tonne of CO₂ by 2030..." [Pricing-carbon-during-the-recovery-from-the-COVID-19-pandemic.pdf \(lse.ac.uk\)](#)

"An American study..." [The REMI Study | Citizens' Climate Lobby](#)

Key reading

[Biomass Basics \(Biofuelwatch\)](#) webpage

June 2018 [Subsidies briefing update \(Biofuelwatch\)](#)

References (in order of appearance)

“carbon con” [Bioenergy: the renewable energy scam - YouTube](#)

“More than one-fifth...” Calculated from [Energy Trends December 2020 \(publishing.service.gov.uk\)](#)

“nearly £1.5 billion from all our electricity bills” [Why we need to Scrap Subsidies for Burning Wood – biofuelwatch](#)

“at least 3% more than coal” [Biomass Basics – biofuelwatch](#)

2019 Drax smokestack statistics [Biomass Basics – biofuelwatch](#) & [Why we need to Scrap Subsidies for Burning Wood – biofuelwatch](#)

“£380 million in subsidies” [Why we need to Scrap Subsidies for Burning Wood – biofuelwatch](#)

“claw back £1.1 billion” [Why we need to Scrap Subsidies for Burning Wood – biofuelwatch](#)

Rita Frost quote [Press release: Campaigners warn consultation loophole could lead to more subsidies for forest destruction – biofuelwatch](#)

Key reading

6.5.20 [Climate SOS statement on shifting subsidies after covid 19 \(Climate SOS\)](#)

19.3.19 [The opportunity costs of HS2 Policy and insight \(Friends of the Earth\)](#)

References (in order of appearance)

Quote: Kwasi Kwarteng [Climate crisis: 'Fracking is over' in UK, energy minister says | The Independent | The Independent](#)

"£27 billion road-building plans" [Climate change: Road plans will scupper CO2 targets, report says - BBC News](#)

"£56 billion (with costs likely to increase)" [What is HS2 and how much will it cost? | Public Leaders Network | The Guardian](#)

"ranked above many countries" [Revealed: Covid recovery plans threaten global climate hopes | Green economy | The Guardian](#)

"£600 million for Easyjet" [Bank of England provides £7.5 billion in big business bailouts - hidden from public view - Positive Money](#)

"as less green than the packages of US (Biden)" [Revealed: Covid recovery plans threaten global climate hopes | Green economy | The Guardian](#)

"250,000 jobs" [Boris Johnson announces 10-point green plan with 250,000 jobs | Green politics | The Guardian](#)

"quadruple the amount of offshore wind capacity" [Boris Johnson announces 10-point green plan with 250,000 jobs | Green politics | The Guardian](#)

"59% cut by 2030" [UK climate targets too low, economists say - BBC News](#)

"increases the UK's ambition" [Pressure grows on Boris Johnson over UK carbon emissions plan | Green politics | The Guardian](#)

"less than the 75% cut" [Pressure grows on Boris Johnson over UK carbon emissions plan | Green politics | The Guardian](#)

Quote: Sir Brian Hoskins [Climate change: UK aim of 68% emissions cut a 'colossal challenge' - BBC News](#)

Quote: Meg Hillier [Climate change: UK aim of 68% emissions cut a 'colossal challenge' - BBC News](#)

Quote: Chris Stark [Pressure grows on Boris Johnson over UK carbon emissions plan | Green politics | The Guardian](#)

Graphic: Greenness of stimulus index

<https://interactive.quim.co.uk/uploader/embed/2020/11/bidengreenplan-zip/giv-3902HHI21O4pBNQK/>

Key reading

[How to reduce airline emissions \(Transport & Environment\)](#) website

[A Free Ride](#) website

June 2017 [Air Departure Tax: Who benefits? An analysis for Scottish policymakers \(A Free Ride\)](#)

References (in order of appearance)

“one quarter of the global carbon budget” [How to reduce airline emissions | Transport & Environment \(transportenvironment.org\)](#)

“2050 net-zero target” [UK net zero target | The Institute for Government](#)

“likely to be added in 2023” [AirportWatch | International aviation and shipping likely to be added to UK carbon budgets – but not in time for the 6th budget?](#)

“£11.4 billion” [Air Departure Tax report for Green MSPs.pdf \(greens.scot\)](#)

“cut aviation emissions by 11% ... raising almost 27 billion Euros” [EU sat on data showing benefits of ending airlines' tax break – leak | Transport & Environment \(transportenvironment.org\)](#)

Quote: Bill Hemmings [Governments meeting to tax aviation must seize opportunity to act on climate crisis | Transport & Environment \(transportenvironment.org\)](#)

“biggest airline emitter of flights in Europe is Ryanair” [How to reduce airline emissions | Transport & Environment \(transportenvironment.org\)](#)

Quote: Fiona Nicholls [Airlines and carmakers benefit from UK Covid relief scheme | Coronavirus | The Guardian](#)

“replaced by a Frequent Flyer Levy” [A Free Ride](#)

Key reading

[Emissions Gap Report 2020 \(UN Environment Programme \(UNEP\)\)](#)

References (in order of appearance)

Section: The Emissions Gap – data derived from [Emissions Gap Report 2018 | UNEP - UN Environment Programme](#) pg xvii

Quote : Antonio Guterres [Climate finance reform needed to prevent 'suicidal' chaos, Guterres says | Devex](#)

Quote : Antonio Guterres [UN chief: don't use taxpayer money to save polluting industries | Greenhouse gas emissions | The Guardian](#)

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References (in order of appearance)

Quote: Antonio Guterres [End fossil fuel subsidies, and stop using taxpayers' money to destroy the world: Guterres | UN News](#)

Quote: Professor James Hansen [Ex-Nasa scientist: 30 years on, world is failing 'miserably' to address climate change | Climate change | The Guardian](#)