

**Social Justice Guidelines in
Comparing the 2019 Climate Policies in Party Manifestos**

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Table 1: Addressing the Climate Emergency					
Goals	Conservative	Labour	Green	Lib Dems	SNP
To exceed the Paris climate targets?	No	Yes	Yes	Yes	Yes
Net Zero Carbon targets	Cut CO2 and be carbon-neutral by 2050	'30 by 2030' for a net-zero-carbon by 2030	By 2030	Net zero by 2045	Net zero carbon by 2040 and net zero all emissions by 2045
Address emissions and consumption emissions	<ul style="list-style-type: none"> - Budget priority for R&D; decarbonisation schemes; electric vehicle infrastructure and clean energy. - Future phase out of conventional petrol and diesel cars; - Cycling routes 	<ul style="list-style-type: none"> - A new publicly owned UK National Energy Agency to deliver decarbonisation targets. - Water, Energy, Busses and Railways in public hands. - Make UK industry the greenest in the world. - Achieve net-zero-carbon food production in Britain by 2040 	<ul style="list-style-type: none"> - New forms of common ownership of waterways, buses, parks and railways. - Meet most of our energy needs by domestic production of renewable energy. - Reduce energy demand from buildings and homes. - Transform UK industry, transport and land use. 	<ul style="list-style-type: none"> - Establish a Department for Climate Change & Natural Resources, with a cabinet-level Chief Secretary for Sustainability in the Treasury to coordinate government - wide action to make the economy sustainable, resource efficient and zero-carbon. 	Will push UK government to stick to future EU emissions standards regardless of the UK's position in relation to Brexit
Reduce housing emissions	<ul style="list-style-type: none"> - Lower energy bills by investing £9.2bn in energy efficiency of homes, schools and hospitals. 	<ul style="list-style-type: none"> - Upgrade UK's 27 M homes to the highest energy-efficiency standards, introduce a 	<ul style="list-style-type: none"> - Improve the insulation of every home in the UK; - At least 100,000 new socially rented 	<ul style="list-style-type: none"> - Require all new homes to be fitted with solar panels. - End fuel poverty by 2025 and reduce 	All new homes to use renewable or low carbon heat by 2024

	<p>- All new streets to be lined with trees.</p>	<p>zero-carbon standard for all new homes.</p> <ul style="list-style-type: none"> - Bring the supply arms of the Big Six energy companies into public ownership where they will continue to supply households with energy while reducing their energy demands. 	<p>homes/year made from sustainable materials, make existing buildings built to the Passivhaus or equivalent standard.</p> <ul style="list-style-type: none"> - Ensure all new developments are within safe pedestrian access to local shops and schools, or within 1km of a local rail, tube or tram station, or 500m of a high frequency bus service to reduce car use. - Energy efficiency and elimination of fuel poverty as a national priority. - Roll out solar panels and other forms of renewable domestic energy generation, giving 1M households a year the means to generate a proportion of the 	<p>emissions from buildings, free retrofits for low-income homes, and pilot a new subsidised Energy-Saving Homes scheme.</p> <ul style="list-style-type: none"> - Graduate Stamp Duty Land Tax by the energy rating of the property and reduce VAT on home insulation. - Require all new homes and non-domestic buildings to be built to a zero-carbon standard by 2021, and 'Passivhaus' standard by 2025. - Increase minimum energy efficiency standards for privately rented properties and remove the cost cap on improvements. - Adopt a Zero-Carbon Heat 	
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			<p>energy they use to reach 10M by 2030.</p> <ul style="list-style-type: none"> - A heating home programme, to replace polluting boilers with renewables. - Insulate non domestic buildings, addressing the large amounts of energy lost from offices and public buildings. 	<p>Strategy, including reforming the Renewable Heat Incentive, requiring the phased installation of heat pumps in homes and businesses off the gas grid.</p>	
<p>Reduce transportation emissions</p>	<ul style="list-style-type: none"> - To invest in Northern Powerhouse Rail, and the Midlands Rail Hub. - Will invest in super bus networks with lower fares/flat fares (in urban areas) and increased frequency. - Support clean transport to ensure clean air, as well as setting strict new laws on air quality. 	<p>Place bus and railways in public hands to improve, expand and integrate public service to encourage less car use;</p> <ul style="list-style-type: none"> - Country-wide rail electrification and use of rail freight; - Unified transport and land-use planning to create towns and cities for walking and cycling; - Electrify all of England's 35,000 buses by 2030, reducing their 	<ul style="list-style-type: none"> - Investment for public transport, walking and cycling (£2.5bn/year on new cycle paths) to reduce car use. - Reduce travel cost for train and bus to make public transport cost cheaper than car travel. New routes for electric coaches across the country. - Creating a new golden age of train by opening new rail connections, 	<ul style="list-style-type: none"> - Reduce emissions from surface transport to near zero by 2045. - By 2030, every new car and small van sold will be electric. £2bn budget to transform private hire vehicles and busses to ultra-low emission. - Shift more freight from road to rail, electrify lines from major ports, and amend the current 	<ul style="list-style-type: none"> - Target to move to electric vehicles by 2032, and will push UK government to match this. - Will bring structure, governance and operation of Scottish railways into public hands and reduce emissions from railways to zero by 2035. - £500m investment in bus priority infrastructure.

		<p>emissions by 72%, and fund a reverse in the cuts to services as well as creating new ones.</p> <ul style="list-style-type: none"> - The UK at the forefront of the development and manufacturing of ultra-low emission vehicles and support their sale. - Invest in electric vehicle charging infrastructure and in electric community car clubs. 	<p>increase rail freight capacity, improve journey times and frequencies, enhance capacity.</p> <ul style="list-style-type: none"> - No new petrol or diesel cars could be sold after 2030. 	<p>HGV road user levy to take account of carbon emissions.</p> <ul style="list-style-type: none"> - Implement light rail, restore and extend bus and rail networks, nationwide strategy to promote cycling and walking. 	<ul style="list-style-type: none"> - £17m additional funding for loans for ultra-low emissions vehicles (including second hand)
Aviation	<p>New air traffic control technology</p> <ul style="list-style-type: none"> - Build on Britain's pioneering work in electric and low-carbon flight. 	<ul style="list-style-type: none"> - Any expansion of airports must pass tests on air quality, noise pollution, climate change obligations and countrywide benefits. 	<ul style="list-style-type: none"> - Domestic flights To lose their VAT exemption and pay additional surcharge on domestic aviation fuel to account for their emissions. - To lobby against the international rules that prevent taxation for Int'l aviation fuel. - Ban advertising for flights, introduce a Frequent Flyer Levy 	<ul style="list-style-type: none"> - Reform the taxation of international flights and tax those who fly the most. - Place a moratorium on the development of new runways (net) in the UK, oppose airport expansion or new airports in London; - Zero-carbon fuels blending 	<p>Aviation emissions counted within national emission reduction targets. Make the Highlands and Islands the world's first net zero aviation region by 2040.</p>

			(more than one return flight a year).	requirements for domestic flights	
Address emission by imports to the UK		Instruct the Committee on Climate Change to assess UK offshore emissions (imports) in addition to UK production emission.	Apply a Carbon Tax on imported energy, based on its embedded emissions.		
Environmental Plan	<ul style="list-style-type: none"> - A new Climate Bill to replace European Law after Brexit. A new independent Office for Environmental Protection with legal targets, including air quality. - Create new public National Parks and Areas. Make coast to coast path of the North a National Trail. - Continue to lead the world in tackling plastics pollution. Make producers pay the full costs of dealing with the waste they produce, and boost domestic recycling. - Ban the export 	<ul style="list-style-type: none"> - Pass a Climate and Environment Emergency Bill setting out in law robust, binding new standards for decarbonisation, nature recovery, environmental quality and habitats and species protection. - Clean Air Act, with a vehicle scrappage scheme and clean air zones, complying with WHO limits for fine particles and nitrous oxides. - Deal with the plastic waste filling oceans. - Reform the innovation ecosystem to better 'crowd in' private investment. 	Whole Green New Deal is their ambitious environment plan with links to various political plans	<ul style="list-style-type: none"> - Ban non-recyclable single-use, aiming for their complete elimination within three years, and an ambition to end plastic waste exports by 2030. - Better product design for repairability, reuse and recycling. - Legally binding targets for reducing consumption of key natural resources. - Introduce a Nature Act to restore the natural environment. - Planting of 60 million trees a year. - Invest in large scale nature 	Will press for target of 60 million trees planted annually across UK by 2025, with 30 million of these in Scotland.

	<p>of plastic waste to non-OECD countries (no date yet).</p> <ul style="list-style-type: none"> - Incentivise recycling of plastic and glass. - Retain Hunting Act. 			<p>restoration to help absorb carbon, protect against floods etc.</p> <ul style="list-style-type: none"> - Create a new designation of National Nature Parks. 	
Table 2. Climate Budget, Finance and Investments					
Climate Budget	<ul style="list-style-type: none"> - £640m new Nature for Climate fund; - £800m on Carbon Capture and Storage - £350m for Cycling Infrastructure Fund. 	<ul style="list-style-type: none"> - £400bn National Transformation Fund of which £250bn to directly fund the Green Transformation Fund dedicated to renewable and low-carbon energy and transport, biodiversity and environmental restoration. - Fully fund the Environment Agency and other frontline environment agencies, and improve upstream river management. 	<p>This will be a combined investment of over £100bn/year in with an additional investment in Universal Basic Income.</p>	<p>£100bn of public finance on climate mitigation and adaptation and environmental conservation and restoration over a five-year parliament.</p>	<p>Have budget measures for devolved services like transport and renewable energy</p>
Generating Public Climate Investment/Fund	<p>£1bn Ayrton Fund to develop affordable and accessible clean energy to tackle climate change.</p>	<ul style="list-style-type: none"> - Mobilisation of green investment, create a Sustainable Investment Board overseen by the Chancellor, Business 	<ul style="list-style-type: none"> - Public sector investment to kick-start the Green New Deal. - Will create a new public banking 	<p>Will create a new Green Investment Bank and increase funding for Innovate UK and new Catapult innovation and</p>	<ul style="list-style-type: none"> - A Greener Tax Deal for energy efficiency. - Now setting up a publicly owned Scottish National Investment Bank

		Secretary and Bank of England Governor. - Create a National Investment Bank, backed by Regional Development Banks, to provide the £250bn lending for enterprise, infrastructure and innovation over 10 years.	infrastructure to help deliver its ambitious programme.	technology centres on farming and land use and on carbon dioxide removal. - Supplementing funding with a new Clean Air Fund from industry. the extra funding would be secured through £85bn of borrowing and £15bn of tax changes.	which will have net zero at its heart. - Demand the ring-fencing of oil and gas receipts to create a Net Zero Fund to use for energy transition and 12% of it should go to a Net Zero Industrial Strategy in oil hub communities
Ensure that government accounts for the complete environmental and social costs and impacts of emissions		Budget Responsibility to incorporate climate and environmental impacts into fiscal forecasts. Cost of not doing climate actions in fiscal decisions to be accounted.		Guarantee an Office of Environmental Protection that is fully independent of government, and possesses powers and resources to enforce compliance with climate and environmental targets.	
Address the abuse of corporations in producing emissions and climate inaction	- Free markets, innovation and prosperity can protect the planet.	- Introduce a windfall tax on oil companies, so that the companies that knowingly damaged our climate	- Ensure that the long-term profits from these vital energy assets come to the government	- Require all firms registered in the UK and listed on UK stock exchanges to set targets based on the Paris	Companies should include climate related disclosures in their annual reports and support putting

	<ul style="list-style-type: none"> - Invest £500m to help energy-intensive industries move to low-carbon techniques 	<p>will help cover the costs.</p> <ul style="list-style-type: none"> - Delisting of companies that will fail to address the climate and environmental emergency from the London Stock Exchange. 	<p>rather than energy firms.</p> <ul style="list-style-type: none"> - Remove subsidies to the oil and gas industries. - Apply a Carbon Tax on all fossil fuel imports and domestic extraction, based on greenhouse gas emissions produced when fuel is burnt. - Raise the Carbon Tax rate progressively over a decade, rendering coal, oil and gas financially unviable as cheaper renewable energies rise up replace them. 	<p>Agreement; and establish a general corporate duty of care for the environment and human rights.</p> <ul style="list-style-type: none"> - Implement the UK's G7 pledge to end fossil fuel subsidies by 2025. - End support from UK Export Finance for fossil fuel and press for higher environmental standards for export credit agencies throughout the OECD 	<p>this on a statutory basis. Support climate related external audits for business.</p>
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III. Energy, Industry, and Just Transition

Industry and Technology		<p>Set up Foundation Industries Sector Council to provide a clean and long-term future for existing heavy industries like steel and glass and fund R&D into newer technologies;</p> <ul style="list-style-type: none"> - A thriving steel industry is key 	<p>New technologies, along with huge expansions in renewable energy, to create millions of new, good quality, well-paid, secure jobs in every corner of the country – with funded training for these new jobs funded</p>	<ul style="list-style-type: none"> - Reduce emissions from industrial processes by supporting CCS and new low-carbon processes for cement and steel production. - Provide more advice to firms on cutting emissions, support the 	
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		<p>to the Green Industrial Revolution. Support our steel through public procurement, taking action on industrial energy prices, exempting new capital from business rates, building three new steel recycling plants and upgrading existing production sites.</p> <p>To roll out technologies and invest in district heat networks;</p> <p>- Create an innovation nation, setting a target for 3% of GDP to be spent on research and development by 2030;</p>	<p>- A circular economy will underpin this green industrial revolution, designing out waste and pollution, keeping products and materials in use, and regenerating natural systems. Recycling and repairing will be made easier for all, reducing the need to buy new, expensive products on a regular basis.</p>	<p>development of regional industrial clusters for zero-carbon innovation and increase the Industrial Energy Transformation Fund. Expand the market for green products and services with steadily higher green criteria in public procurement policy.</p>	
<p>Commitment for emission reductions without use of offsets, Carbon Capture and Storage (CCS) or geo-engineering</p>	<p>Will have CCS</p>	<p>Will explore hydrogen and carbon capture and storage</p>	<p>Start deployment of a CCS system that can deal with CO2 emissions from manufacture of iron, steel and cement.</p>	<p>Support carbon capture and storage and new low-carbon processes for cement and steel production.</p>	<p>Scotland to be a leader in the development of CCS technology. SNP MPs will push UK government to accelerate CCS in Scotland.</p>

<p>Energy</p>	<ul style="list-style-type: none"> - Offshore wind industry to reach 40GW by 2030 - invest £800m to build the first fully deployed carbon capture storage cluster by the mid-2020s - We will support gas for hydrogen production and nuclear energy, including fusion, as important parts of the energy system, alongside increasing our commitment to renewables. - Moratorium on fracking in England with immediate effect. 	<ul style="list-style-type: none"> - To deliver nearly 90% of electricity and 50% of heat from renewable and low-carbon sources by 2030. By building: <ul style="list-style-type: none"> * 7,000 new offshore wind turbines * 2,000 new onshore wind turbines * Enough solar panels to cover 22,000 football pitches * New nuclear power for energy security * Expand tidal energy and invest to reduce the costs of renewable and low-carbon hydrogen production - Expand distributed and community energy, immediately and permanently ban fracking. - - To balance the grid, expansion of power storage and to invest in grid enhancements and interconnectors. - 14 new Regional Energy Agencies to replace existing 	<p>Revolutionise the way we produce and use energy by:</p> <ul style="list-style-type: none"> - Enabling communities to develop their own renewable energy projects, so that the benefits of locally generated energy can stay local. - Introduce new support and incentives to directly accelerate wind energy development, paving the way for wind to provide around 70% of the UK's electricity by 2030. - Introduce new support for solar, geothermal, tidal, hydro and other renewable energies to provide much of the remainder of the UK's energy supply by 2030. No nuclear. - Work with the Crown Estate, which 	<p>Accelerate the deployment of renewable power, providing more funding, removing the Conservatives' restrictions on solar and wind and building more interconnectors to guarantee security of supply; aim to reach at least 80% renewable electricity in the UK by 2030. Expand community and decentralised energy, support councils to develop local electricity generation and require all new homes to be fitted with solar panels.</p> <ul style="list-style-type: none"> - Ban fracking. Support investment and innovation in cutting-edge energy technologies, including tidal and 	<ul style="list-style-type: none"> - A Green Energy Deal that will ensure renewable energy gets the long-term certainty needed to support investment and Will push UK to accelerate decarbonisation of gas grid. No nuclear power. No licenses for unconventional oil and gas (fracking). - Structural changes to incentivise for renewables. Green Energy deal will: give renewables long term certainty and investment, allow onshore wind and solar access to support mechanisms, reform the transmission charging regime, set timetable for interconnectors to islands, press
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		district network operators;	owns much of the UK's coastline, to open up more coastal waters for offshore wind and marine energy. - Connect our electricity supply more closely to that of our neighbours in Europe, to provide a wider supply we can call on when needed - Prepare for the rapid decommissioning of North Sea oil rigs and the phasing out of the UK's remaining coal plants and coal mines.	wave power, energy storage, demand response, smart grids and hydrogen. Provide an additional £12bn over five years to support these commitments, and ensure that the National Infrastructure Commission, National Grid, the energy regulator Ofgem, and the Crown Estate work together to deliver the net zero objective.	Tories to ditch plans for increase VAT on home solar, support diesel scrappage
Just transition for all communities and workers by 2030	- Will introduce Transformational Sector Deal. - Deliver 2 M new high quality jobs in clean growth.	- Support energy workers through transition and guarantee retraining and a new, unionised job on equivalent terms and conditions. - Create 1 M jobs to transform industry, energy, transport, agriculture and	- Invest £2bn/year in training, skills and new apprenticeships, creation millions of new jobs in renewable energy, transport, land management and other sectors transformed by the transition to a net	Provide Just Transition funding for areas and communities negatively affected by the transition to net zero greenhouse gas emissions	Have already established a Just Transition Commission to advise Scottish gov. Will now set up a Climate Emergency Skills Action Plan.

		<p>buildings, while restoring nature.</p> <ul style="list-style-type: none"> - Climate Apprenticeship programme to enable employers to develop the skills needed to lead the world in clean technology. 	<p>zero carbon economy.</p> <ul style="list-style-type: none"> - Work alongside trade unions to ensure a just transition to a green future, which will leave no one behind. - Provision of the training people need to access these new jobs. 		
<p>Tackle inequality in the UK, address the needs of the poor and vulnerable communities by climate justice</p>	<ul style="list-style-type: none"> - Will keep existing energy cap and introduce new measures to lower bills. Give the Competition and Markets Authority enhanced powers to tackle consumer rip-offs and bad business practices. - Extend the water rebate for those in the South West. - Flood defences will receive £4bn in new funding. 	<ul style="list-style-type: none"> - Put people and planet before profits by bringing railways, energy and water systems into public ownership. Energy and water as rights rather than commodities. - Green investment is spread evenly across the whole country and give powers and funding to every region and nation of the UK; - Reduce average household energy bill by £417 per household per year by 2030 to eliminate fuel poverty. 	<p>New housing fit to standard will use 90% less energy for space heating than the average home, significantly reducing household bills.</p>	<p>End fuel poverty by 2025, including by providing free retrofits for low-income homes, and piloting a new subsidised Energy-Saving Homes scheme.</p> <ul style="list-style-type: none"> - Establish a £5bn fund for flood prevention and climate adaptation over the course of the parliament. 	<p>Suggest systemic reform of the economy is needed to tackle economic and environmental justice at source. SNP MPs will campaign at Westminster for this, until Scotland gets its own powers to be able to do it itself</p>

		<ul style="list-style-type: none"> - Free bus travels for under-25s - provide an extra £5.6bn in funding to improve the standard of flood defenses and respond to the increased risk of flooding, prioritising areas at risk in North West England, Yorkshire and the East Midlands 			
IV. Guarantee Democratic and Participatory Process					
<p>Devolve powers to regions, Transparent and inclusive consultation and partnership with communities, labour unions, civil society</p>		<ul style="list-style-type: none"> - Public ownership for democratic control over nationally strategic infrastructure and provide collective stewardship for key natural resources. - Decentralised approach to climate solutions, local transformation funds managed by regions; - The Regional Dev't Banks to be governed by boards made up of key local stakeholders including trade unions; 	<p>The Green New Deal will give power and resources for devolved governments, elected mayors and local governments to transform the communities they represent. Local people will be directly involved, actively engaging all of us in the future of the places where we live and work.</p>	<ul style="list-style-type: none"> - Establish UK and local Citizens' Climate Assemblies to engage the public in tackling the climate emergency; - Create a statutory duty on all local authorities to produce a Zero Carbon Strategy, including plans for local energy, transport and land use, and devolve powers and funding. 	

V. Global Solidarity and Justice

<p>Global leadership on climate</p>	<ul style="list-style-type: none"> - Maintain UK commitment to spend 0.7% of GNI on development, and do more to help countries receiving aid become self-sufficient. - Doubled UK Int'l. Climate Finance. To use position of hosting the UN Climate Change Summit in Glasgow in 2020 to ask our global partners to match UK ambition. - Set up new int'l. partnerships to tackle deforestation and protect vital landscapes and wildlife corridors. - new £500m Blue Planet Fund to help protect our oceans from plastic pollution, warming sea temperatures and overfishing, and extend the Blue Belt programme to preserve the maritime 	<ul style="list-style-type: none"> - Invest an additional £400m in our diplomatic capacity to secure Britain's role as a country that promotes peace, delivers ambitious global climate agreements and works through international organisations to secure political settlements to critical issues. - Rebuild Britain's leadership on climate by: <ul style="list-style-type: none"> * Rebuild our climate expertise within the Foreign Office, putting climate diplomacy at the heart of our foreign policy. * Use our influence at the UN, EU, G7, G20, World Bank, the Commonwealth and other global institutions to promote policies to tackle the climate emergency. • Use our diplomatic expertise to negotiate 	<p>Create a new department to oversee the implementation of the Green New Deal, led by a Carbon Chancellor, based at number 11 Downing Street to put the just transition to a net zero economy right at the heart of government.</p> <ul style="list-style-type: none"> - Deliver financial mechanisms and the transfer of new technologies to help the Global South adapt to climate change in a just way. 	<ul style="list-style-type: none"> - End support from UK Export Finance for fossil fuel-related activities, and press for higher environmental standards for export credit agencies throughout the OECD. - Increase the proportion of the aid budget committed to tackling climate change and environmental degradation. - Support the Paris Agreement by playing a leadership role in int'l efforts to combat climate change and aiming to persuade all countries to commit to net zero climate goals by the 2020 UN climate conference in Glasgow. - Refuse to enter any trade 	<p>Phase in an increase in spending on foreign aid from 0.7% to 1% of our GNI...Make the Climate Emergency and tackling poverty priorities for our international aid budget.</p>
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	<p>env't. To continue to lead diplomatic efforts to protect 30% of the world's oceans by 2030.</p>	<p>and deliver more ambitious global targets to deal with the climate emergency, starting with COP 26 in Glasgow next year.</p>		<p>agreements with countries that have policies counter to the Paris Agreement, including the Mercosur-EU free trade agreement</p>	
<p>Repair historic legacy of environmental racism and injustice</p>		<p>Labour believes in climate justice and that wealthy countries like the UK should bear the greatest responsibility for the climate emergency. Countries in the Global South that have done the least to cause climate change are already facing the worst impacts. To right this wrong. We will:</p> <ul style="list-style-type: none"> • Provide a top-up of new and additional spending on international climate finance to bring the total to £4bn a year, and also support calls for compensation to those nations already suffering loss and damage. 			

		<ul style="list-style-type: none">• Stop all aid spending on fossil fuel production overseas, redirect it towards clean, renewable energy for all.• End all UK Export Finance support to fossil fuel projects, and reject any trade deals that conflict with our climate principles.			
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