How Big Polluters are advancing a “net zero” climate agenda to delay, deceive, and deny
Key Strategies:

- Note: We want people to think it’s possible to pollute and cut emissions at the same time.
- Lobby to look in Net Zero policies nationally and globally.
- Make sure UNFCCC is focused on offsets and not emissions cuts.
- Fund academia so we have scientific foundation for Net Zero.

Ensure plans...

1. Are too vague to be used against us
2. Obscure our growing emissions/production
3. Rely on unproven technology (This will give us an "out" when we fail to deliver and ensure we make & in the meantime)
4. Ignore science or shape our own science
5. Rely on expansion and extraction
6. Continue the status quo — $&*&$ OR #FF #
The Big Con:
How Big Polluters are advancing a “net zero” climate agenda to delay, deceive, and deny

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This report presents clear evidence that “net zero” climate plans are simply the latest attempt by polluting industries to escape responsibility to act to address climate change.
In 2020, natural disasters were occurring three times more often than half a century ago.\(^1\) Already, 2021 is on track to have some of the most extreme climate-related disasters yet.\(^2\) In just the first four months of the year, record-breaking typhoons,\(^3\) deadly low temperatures,\(^4\) devastating swarms of locusts,\(^5\) and unprecedented flooding\(^6\) have all plagued different corners of the globe. The common denominator in all these extreme events is climate change.

The rate at which the climate is now changing is spurring a crisis that risks billions of lives. The impacts of this crisis are nothing new to Indigenous and frontline communities. These communities and countries have contributed least to the crisis but bear its consequences first and worst, heaped on top of centuries of colonialist, racist systems. But as the impacts on lives and the planet worsen around the globe, people in the Global North are becoming more aware of the realities of the climate crisis—as well as other crises, such as hunger, health, and poverty that exacerbates. In recent years more and more people are joining with young people, Indigenous Peoples, frontline communities, women and youth, and people of colour who have been leading the way to demand climate justice.

This surge in activism around the globe—from school strikes\(^7\) to sit-ins at U.N. climate talks\(^8\)—has forced a crisis that risks billions of lives. The common denominator in all these extreme events is climate change. These communities and countries have contributed least to the crisis but bear its consequences first and worst, heaped on top of centuries of colonialist, racist systems. But as the impacts on lives and the planet worsen around the globe, people in the Global North are becoming more aware of the realities of the climate crisis—as well as other crises, such as hunger, health, and poverty that exacerbates. In recent years more and more people are joining with young people, Indigenous Peoples, frontline communities, women and youth, and people of colour who have been leading the way to demand climate justice.

In the first section, this report summarizes existing analysis of the ways that “net zero” plans, rather than representing a credible approach to climate policy, are a vehicle for corporate greenwashing by Big Polluters. Then, in analysing the “net zero” plans of an array of polluting corporations across sectors, the report documents in section 2 how these plans are dangerously masking further pollution and distracting from real action. And in section 3, through a series of illustrative examples, the report sheds light on why the focus on “net zero” by polluters is by design: It is the culmination of corporate capture of climate policy by Big Polluters, secured in part through vast corporate influence via lobbying, financial contributions, influence in academia, and public relations campaigns.

Finally, this report serves as an urgent call to action for all involved in global policymaking to change course now. “Net zero” schemes risk supplanting proven and meaningful action and instead locking in a polluting and destructive economy for decades to come. The planet and its people depend on world governments doing everything they can now to cut emissions to real—not net—zero. Anything else will have deadly consequences for billions of people’s lives and livelihoods.

\[\textbf{WHAT IS “NET ZERO”?}\]

Increasingly, the concept of “net zero” is being misconstrued in political spaces as well as by individual actors to evade action and avoid responsibility. The idea behind Big Polluters’ use of “net zero” is that an entity can continue to pollute as usual—or even increase its emissions—and seek to compensate for those emissions in a number of ways. Emissions are nothing more than a math equation in these plans; they can be added one place and subtracted from another place. This equation is simple in theory but deeply flawed in reality: These schemes are being used to mask inaction, foist the burden of emissions cuts and pollution avoidance on historically exploited communities, and bet our collective future through ensuring long-term, destructive impact on land and forests, oceans, and through advancing geoengineering technologies, like those listed in the box on Dangerous Distractions. These technologies are hugely risky, do not exist at the scale supposedly needed, and are likely to cause enormous, and likely irreversible, damage.\(^9\)\(^10\)

### CARBON COLONIALISM (COLONIALISM)

Historically exploited communities have rightly been warning that many of thesepolluters’ schemes, like offsets and REDD+, entail a new carbon colonialism. By labelling them with claims of “net zero,” Big Polluters are following similar patterns of historic domination, attempting to paper over neo-colonialism by using the language of environmental sustainability. They also shift the burden of climate action from the countries and corporations responsible for producing and consuming emissions, to frontline communities.\(^11\) But the polluting actors that paid for the projects retain the credit for cutting emissions. This can create a dynamic where the countries doing the offsets removal projects disproportionately shoulder the burden of climate action while getting little to none of the credit toward their own Paris Agreement goals. In the geopolitical context, it also corners countries in the South into turning to carbon markets for finance, since the climate finance that is owed to them from countries historically responsible for emissions is being repeatedly denied. They also risk displacing people from their land, giving way to land grabs, and robbing people, particularly Indigenous Peoples, smallholder farming communities and women that steward the land, of their right to food, their cultures and livelihoods.\(^12\) For communities already suffering the multi-faceted effects of the COVID-19 pandemic, a rush of offsets would likely spur compounded disaster.
WHAT ARE BIG POLLUTERS?

Big Polluters are the industries, made up of corporations and business or trade associations that represent them, whose operations are predominately responsible for the emissions that have caused and continue to drive the climate crisis. Just 100 corporations are responsible for 70 percent of historical emissions. While the fossil fuel industry is a lead actor in this group, the term also includes other high-emissions and polluting industries, such as industrial food and agribusiness (responsible for one-third of global emissions), aviation (a top ten global emitter), logging, retail, and technology, as well as the groups that advance those industries’ agenda. This also includes financial institutions and insurers that invest trillions into polluting and extractive business models.

Not only are these industries responsible for the majority of global emissions to-date, they are also central to the machine of denial, delay, and deceit that has led to a global failure to act to equitably address the climate crisis. For decades, Big Polluters have spent untold sums denying climate science, spurring doubt, and blocking almost every single meaningful climate policy put on the table. They have a proven track record of delaying, deceiving, and denying, and a financial interest in continuing to pollute, no matter the costs to people or the planet.

One of the most rigorously documented examples is the fossil fuel industry’s climate denial. As far back as the 1960s, ExxonMobil and the fossil fuel industry knew the impact of its operations on the climate. It buried the truth, embarking on a decades-long campaign to muddy the debate, mislead policymakers, and ultimately stave off action for generations. In the years to come, the fossil fuel industry was joined by automobile manufacturers, the freight industry, the aviation industry, utilities, industrial food and agribusiness, and many more in funding and lobbying against common-sense environmental policy in order to maintain business as usual.

The cynical efforts of these industries have proven successful: for decades, attempt after attempt to advance just and meaningful climate policy has failed to deliver. This is why hundreds of thousands of people around the world have called on government officials to address Big Polluters’ conflicting interests and protect climate policymaking from the undue influence of Big Polluters.
BIG POLLUTERS’ DANGEROUS DISTRACTIONS

Big Polluters use “net zero” climate plans to unite a variety of risky technologies, including geoengineering technologies, and deeply flawed schemes. Some of the most common dangerous distractions are below. The bottom line is that each of them is a smokescreen that allows for continued emissions, and, if deployed at large scale, will have significant detrimental social, economic, and environmental consequences. Equally fundamentally, they distract from the rapid implementation of real solutions that are needed.

Burning Trees or Biomass (dubbed Bioenergy):

Spinning the burning of trees to produce bioenergy as a carbon neutral form of renewable energy and therefore a “net zero” solution. Evidence suggests that burning trees emits more greenhouse gas emissions than coal or natural gas, when taking into account the lifecycle of the emissions and when implemented at large scale, will have significant detrimental social, economic, and environmental consequences. Equally fundamentally, they distract from the rapid implementation of real solutions that are needed.

Bioenergy and Carbon Capture and Storage (BECCS): A combination of two large scale theoretical technologies that involve growing and burning biomass, such as trees, to produce energy and then simultaneously sucking the emissions back out of the air and somehow storing it underground with Carbon Capture and Storage (CCS). Not only is it unproven to be energetically and ecologically viable and therefore essentially guaranteed to fail, it is also a threat to human rights, environmental justice, and food security given the amount of land that would be needed to grow enough biomass to burn, as well as the particulate matter and harmful pollution that arises from the combustion of biomass to produce energy.42 43 As with CCS, Big Polluters intend to use this process not only to continue polluting but for Enhanced Oil Recovery (EOR) to reach and extract oil in hard-to-reach places, leading to even more emissions.

Carbon Capture and Storage (CCS): One of the two technological proposals that makes up BECCS (see below), CCS—also called Carbon Capture and Storage (CCS) or Carbon Capture, Utilization and Storage (CCUS) is the proposition by Big Polluters that it’s ok to continue to pollute, if they can somehow suck up that carbon dioxide, and store it in the ground or use it in other production to postpone emissions. However, nearly all existing CCS is used in service of Enhanced Oil Recovery (EOR), a process developed by the oil industry to reach deep oil reserves that would otherwise be inaccessible and non-viable.44 45 Because of this, the rebranding of ‘Carbon Capture and Storage’ is misleading and because it portrays CCS as a net benefit to the climate when it is mostly used to exploit more oil and because the process itself requires fossil fuels to carry out and to power CCS, the consumption of fossil fuels could increase by up to 40 percent.46

Carbon markets: These allow Big Polluters to continue polluting and supposedly achieve their emissions reductions by purchasing “carbon credits” from other countries or actors that have contributed less to climate change. They are proven to lead to fraud and speculation, and haven’t substantially reduced emissions.44 45 Not only do they attempt to compensate for emissions after the fact and fail to hold Big Polluters accountable, they often provide a further money-making opportunity for corporations. For example, Cargill is seeking to become a carbon offset developer itself, selling these dangerous schemes to others.46 47

Direct Air Capture (DAC): The notion that Big Polluters can keep polluting and develop technology down the line that sucks the carbon dioxide from back out of the air. Like BECCS, this technology is untested at large scale, is very risky and extremely energy-intensive,48 and is unlikely to ever work at the scale required on the timeline needed in a fair manner.49 In order to store the carbon dioxide once it has been extracted from the atmosphere, DAC technology will likely need to work in combination with CCS or CCUS. It is therefore additionally dependent on yet more technologies that may never be effective at scale.

Nature-Based Solutions (NBS): When used by Big Polluters, this is a new name for the old idea of promoting large scale plantations and conservation projects as an ‘offset’ for continued fossil fuel use. It is used by Big Polluters to commodify nature, by allowing a corporation or government to compensate for their emissions by funding projects meant to absorb carbon emissions (by creating carbon sinks through, for instance, monoculture plantations and other forms of afforestation and agricultural practices) and claim that the carbon removal via these projects can balance out their continued high levels of emissions. Many of these schemes have been widely discredited and shown to not only fail to offset the emissions in question or only do so temporarily,50 but also often drive human rights abuses.51 52 For more info, see more on REDD+ below.

Carbon offsets: The idea that a polluting actor can “cancel out” its emissions by investing in projects that store or reduce carbon, such as forest “conservation” schemes, that often displace communities, claiming to reduce deforestation that is usually insignificant, not permanent or verifiable, as well as monoculture plantations that once cut down for logging, re-emit the carbon dioxide into the atmosphere. These have been proven to not provide real benefit,53 and risk the same abuses on people and the environment as the other Dangerous Distractions above.

Hydrogen: This is the latest silver bullet promoted by Big Polluters, which they claim will decarbonise the economy. But in reality, industries’ ‘hydrogen hype’ is about ensuring they can carry on with business as usual. Big Polluters insist that hydrogen is ‘green’ and will be produced using renewable electricity, but globally less than 0.1 percent of hydrogen production is ‘green’,54 with the rest coming mainly from fossil gas. Big Polluters claim that CCUS technology will make hydrogen ‘clean’ and ‘low carbon’, while maintaining their destructive business models—and even receiving massive public subsidies to do so.55 So-called ‘green’ hydrogen is also highly problematic: Northern countries and their corporations are planning to exploit Southern communities and their resources to produce it for their own ‘green’ consumption. Hydrogen is now a main stay within the “net zero” plans of all Big Oil and Gas majors.56 57

Photo of deforestation by crustmania (Flickr)
CASE STUDY: WHY REDD+ IS JUST ANOTHER DANGEROUS DISTRACTION

Reducing emissions from deforestation and forest degradation (or REDD+, with the “+” representing “forest conservation and enhancing forest carbon stocks”), is a program launched under the UNFCCC more than 15 years ago. The idea was that it would reduce emissions by financially incentivising actors to avoid deforestation and forest degradation. But in the one and a half decades since it began being implemented, it has proved hugely controversial and anything but a success. Through seeking to financialize nature and put a tradeable price on it, it has also failed to deliver its vision of reducing emissions to the scale suggested.

Since its launch, more than 350 REDD+ projects across 53 countries have been established with a price tag of more than 24 billion euros in public finance. Collectively, these projects cover a land area the size of Morocco.

REDD+ has been described as “one of the most controversial environmental policies that has ever existed. It has divided governments, civil society and Indigenous Peoples’ organizations, and proved to be highly controversial within the United Nations itself”. Though polluters and some conservation NGOs continue to promote REDD+ as a climate solution, human rights groups and Indigenous Peoples’ organizations have consistently reiterated its role as a “facilitator of dispossession and resource extraction, and a false solution to the climate crisis,” and as a “scheme that consolidates corporate control over territory and expands profits.” REDD+’s shortcomings include that it:

1. Reduces the complex ecosystems of forests to “sticks of carbon.” This shifts the focus away from conserving biodiversity and instead to the dangerous approach of prioritizing the planting of fast-growing trees on the fastest timeline possible in the greatest number possible, regardless of whether this approach works in the context of natural ecosystems.
2. Violates the rights and disrespects the cultures of Indigenous forest communities. They can be displaced from their traditional land and left out of decision-making processes that directly impact their livelihoods.
3. Lacks mechanisms that consistently address systemic weaknesses, such as how to ensure that protecting forest in one place doesn’t simply shift the deforestation to another, as well as questions of accurately quantifying and accounting for emissions.
4. Can lead to or promote a variety of devastating impacts, including land grabs, forced displacement, militarization, and loss of livelihoods and biodiversity. These varying impacts have been documented through published reports and media coverage.

Despite these shortcomings and its consistent controversy, REDD+ has continued to be propped up as a solution to the climate crisis by polluting countries and corporations.

THE FOUR CONCEPTUAL FLAWS OF “NET ZERO” CLIMATE PLANS

The problems with Big Polluters’ “net zero” emissions plans are numerous, but there are four profound flaws worth highlighting here.

First, the vast majority of these plans are centred on a “net zero” by 2050 timeline with little action taken to reduce emissions at source for decades—far too long a timeline for a credible emissions reduction plan that ensures we keep global temperature rise below 1.5 degrees Celsius. Many of these plans lack real benchmarks between now and 2050, which allows business as usual for decades before any action is required and ignore basic principles of global equity, which demand that wealthier entities act fastest to reduce emissions and provide support for others to follow. And yet, when these plans are announced, those behind them receive the brand benefit or credibility without ever having to do the work of cutting emissions. In both cases, that’s far too little, far too late, given we need to undertake the transformative work necessary to drastically decrease emissions by 2030 at the latest.

Second, these plans rely on highly improbable schemes to make the emissions disappear, as if by magic. (See the Dangerous Distractions box.) In some instances, this looks like technofixes that don’t yet exist, or don’t exist at scale, like carbon capture and storage. These technologies have numerous challenges, not the least of which is that they are likely to sustain or increase emissions and consumption of emissions-intensive products like fossil gas, and spur tremendous harm to communities that risk being displaced or adversely affected. They would also ensure the continuation of a host of other ecological and human rights abuses associated with fossil fuels, such as methane emissions and water contamination from fracking and oil drilling, as well as pipeline leaks and explosions. Furthermore, they may not work—in some cases capturing only 10 percent of actual emissions rather than the unfounded claims of 85 – 90 percent.

Thirdly, the concept of “net zero” as enshrined in the Paris Agreement assumes one tonne of carbon emitted from any source has the same value as one tonne of carbon sequestered. But this ignores profound differences between the longevity and stability of geological and terrestrial carbon stocks (from burning fossil fuels). “Net” targets based on this assumption are, therefore, inherently flawed and perpetuate the myth that business as usual emissions can continue in one sector and be removed somewhere else.

Finally, and perhaps most importantly, “net zero” schemes ignore the simple truth that the climate crisis is not a problem of technology but a problem of political will and entrenched power relations. We have the just solutions we need to address the climate crisis. Communities on the front lines of the crisis have been demanding these solutions for years. What we lack are the policies that would require drastic emissions reductions and fast track the implementation of these solutions. And we lack them because the same polluters now pushing “net zero” have spent decades interfering in climate policy and muddying the public discourse.
Table 1: A few examples of the many flaws of Big Polluter “net zero” climate plans

**The Fine Print: How we know their plans to go “net zero” means more polluting and Dangerous Distractions**

- **Total** projects an increase of 50 percent in groupwide production of oil and gas between 2015 and 2025. The plan to decrease Scope three emissions (meaning the indirect emissions associated with its entire value chain) only in Europe (specifically the EU, UK, and Norway). These are countries that already have existing “net zero” national policies. In other words, it is pledging to do the minimum presumably required to keep operating in those countries—and only those countries.
- Rather than decrease emissions at source, Shell plans to increase its liquefied natural gas (LNG) operations by 20 percent through 2025. Shell is still planning to spend US$8 billion annually on oil and gas production, and US$4 billion a year in fossil gas. Shell’s plan relies on offsetting 120 million tonnes of CO2 a year by 2030. That’s more for this one corporation than the entire global voluntary carbon offset market capacity in 2019: 104 million tonnes of CO2.
- A large part (one-third) of its oil and gas production comes from its 20 percent stake in Russian oil company Rosneft. This production is explicitly excluded from the corporation’s stated plans to reduce production.
- BP is the largest shareholder in the U.S.’ largest forest carbon offsets developer, a major financial conflict of interest.
- In order to account for the emissions Eni is intending to offset, it will need nearly 8 million hectares of land every year by 2030. Not only is this amount of land unsustainable, but Eni has not addressed where this land will be, or the potential implications to local communities that may be depending on that land.
- Chevron’s climate plan is one of the least ambitioned in the industry. It’s even not even officially pledged to achieve “net zero,” only recently announcing that it sees a “pathway toward net zero”.
- Chevron’s business plans could hardly spell business as usual more clearly. It is still intending on being a fossil fuel-based company for the next 10 or even 20 years.
- The UK’s biggest polluter and world’s biggest tree burner claimed to be the first company in the world to announce an ambition to become carbon negative by 2030 in December 2018. To do so, Drax is relying on unproven Bioenergy with Carbon Capture and Storage (BECCS) technology from tree burning, leading to even more forest destruction and monoculture tree plantations.
- In February 2021, the world’s largest producer of wood pellets pledged to achieve “net zero” emissions by 2050. In its announcement, the corporation did not specify how much it would directly reduce emissions, but Enviva said it planned to purchase forest offsets to compensate for all emissions it doesn’t avoid, with offsets focused on programs in the U.S. whose largest shareholder is BP.
- Enviva has seen keen business interest in the U.S. Southeast and stands to profit more than the climate from these forest offset programs. Much of its wood comes from this region, where it has already contributed significantly to deforestation. Tree plantations have replaced local species in the U.S. Southeast that were cut down, and these are cut in turn to fuel Enviva’s mills rather than left to absorb carbon.
- Morgan Stanley has not set a specific target for reducing emissions or phasing out fossil fuels in the near future.
- Morgan Stanley remains among the top fossil fuel financing banks globally. In 2019 alone, it financed nearly US$1.1 billion in fossil fuel expansion.
- BlackRock pledged to sell off most of its fossil fuel shares. But due to a loophole in its own policy, it still owns US$85 billion in coal assets. This loophole allows for BlackRock to still invest in companies who make up to 25 percent of their revenues from coal.
- Microsoft is the biggest tech partner to the oil and gas industry. Its artificial intelligence helps fossil fuel giants discover and extract oil. Greenpeace has reported that “Microsoft’s contract with ExxonMobil alone could lead to emissions greater than 20 percent of Microsoft’s annual carbon footprint.”
- Microsoft has failed to name a date for when it will phase out fossil fuels. Microsoft’s “net zero” target assumes 5 million tonnes carbon dioxide removals in 2020.

**United**
- United’s plan does not detail any specific action it will take to reduce its emissions time before 2025. Instead, its plan assumes the vast use of Direct Air Capture (DAC) technology that doesn’t yet exist at scale to capture carbon dioxide from the air and store it in the ground.
- United’s investment in DAC could even lead to greater fossil fuel extraction—and greater profits for it and other corporations. The program United is partnering with intends to use this process to continue for Enhanced Oil Recovery, i.e., to extract even more fossil fuels in hard-to-reach places.
- To put the feasibility of this plan into perspective if the same geoengineering plants were to be built to offset the world’s emissions in 2019, this would require four million acres of land.
- Delta announced its intention to invest US$1 billion over next 12 years to help compensate for its emissions. This amount (notably, only a fraction of its profits) is in many ways a catch-all fund that encompasses much of the spending it was already intending to make to support its business growth, such as new planes.
- Delta is offering DeltaOne and corporate customers “sustainable” air travel packages for these corporate customers to offset their own emissions.
- It counts these flights as part of its own reduction even if supposedly more sustainable biofuels aren’t being used for that flight.
- One of the programs in which Delta buys credits from to offset its emissions is “undermin[ing] livelihoods” and is “strongly opposed” by local communities, despite Delta insisting it “protects forests…while supporting the wellbeing of local communities.”
- EasyJet is opting to buy offsets to compensate for its emissions, at a price so low it has no incentive to reduce emissions anytime soon: US$4.5/CO2. This is a fraction of the price currently used under the EU-ETS, an emissions trading scheme that has resulted in massive profits for Big Polluters and not reduced emissions as promised.
- EasyJet is using political interference to stop climate action: It lobbied against environmental taxes on flights—until it was offered £600m (approx. US$770 million) from the UK government as part of COVID-19 relief.
- Walmart’s plan entirely overlooks its Scope three emissions, or all the emissions that occur further down its value chain. A September 2020 analysis estimated that this category of emissions actually accounts for 95 percent of its carbon footprint.
- Amazon has pledged to be “net zero” by 2040. Its climate investments suggest it is backing Dangerous Distractions (see Box) as central to this. Amazon’s founder has announced a $10 Billion Bezos Earth Fund to help save the climate. Its first round of grants included giving hundreds of millions of dollars to some of the biggest proponents of carbon offsetting programs, refs with loopholes and major risks for local communities.
- Like Microsoft, it remains a critical tech partner to the fossil fuel industry, enabling further oil and gas production.
- JBS pledged to invest US$1 billion over the next decade in its “net zero” program (without detailing what this program entails) and to allocate US$100 million by 2020 in “research and development projects” for carbon capture and “on-farm emissions mitigation technologies”—in other words, carbon offsets.
- JBS’ commitment to eliminate deforestation in its supply chain by 2035 in effect means it will continue contributing to deforestation for the next 14 years (until 2035), instead of immediately ending the deforestation associated with its supply chain—arguably one of the most effective and quickest ways for BS to decrease its emissions.
- Rather than decreasing the production of its most emission-intensive products such as industrial meat and dairy, analysts by Grain found that Nestle is planning on increasing production of dairy, livestock, and commodity products by 68 percent by 2050. It’s intending to rely primarily on offset credits to make up for this drastic increase in emissions.
- The US$1.2 billion Nestle has pledged to invest in “regenerative agricultural practices”, which can include destructive practices and is questionable in terms of carbon sequestration, is a miniscule 1.5 percent of the sum it transferred to shareholders in 2020.
- One of the programs Nestle has invested in to improve agriculture practices, 4R Nutrient Stewardship Program, led to more inefficiency and greater use of fertilizers.
CORPORATE “NET ZERO” FRENZY: THE GREAT GREENWASH

In 2020, analysis by Oil Change International evidenced the total failure of climate plans of eight Big Oil and Gas majors to meet even the basic pillars of real climate action in line with the Paris Agreement’s commitment of keeping global temperature rise to 1.5 degrees Celsius. But this failure goes way beyond Big Oil and Gas, as analysis by contributors of this report and others of the “net zero” climate action plans of major polluters across sectors reveals.

Table 1 summarizes just some of the facts that illustrate why 17 corporate “net zero” climate commitments spanning the fossil fuel, energy, food, agriculture, technology, finance, aviation, and retail industries are anything but real action. Across the board, while these corporations are proclaiming climate championship in the form of “net zero” promises, the fine print of their plans tells a very different story—that they will stop at nothing to continue to pocket a profit, and that they have little to no intention of decreasing emissions.

In addition to Table 1, additional case studies provide a deeper dive into the specific loopholes of the “net zero” plans of JBS, Shell, and Total SA.

Initially, this report was intended to analyse the quantifiable aspects of Big Polluters’ “net zero” climate action plans collectively. The authors set out to examine the details of these plans as a whole and quantify the amount of land that would be needed to offset the intended emissions, to determine whether such plans were possible within planetary constraints. Others such as ActionAid International, Grain and Greenpeace have tried to do some of this quantification with individual corporate “net zero” plans. But collectively, the plans of these Big Polluters are so vague that it was impossible to understand how the corporations are planning on achieving “net zero”. Therefore, this calculation was impossible without making too many assumptions. The lack of detail further drives home the reality that these plans represent corporate lip service with no clear pathway—not real action.

For example, United Airlines is counting on building carbon direct air capture plants to be able to use Direct Air Capture (DAC) technology that doesn’t exist yet to literally hope to suck carbon out of the air and pump it into the ground (a process, by the way, that is intended to be used for Enhanced Oil Recovery to extract even more oil in hard-to-reach places). Walmart’s climate plan entirely overlooks Scope three emissions (meaning the emissions associated with the products it sells), a type of emissions that counts for an estimated 95 percent of its carbon footprint. Fossil gas will continue to represent 90 percent of oil major Eni’s production and it is still planning to increase oil and gas production over the coming years, a feat that the corporation proposes will be compensated for through reforestation schemes that have been criticised as fake forests. BlackRock, the world’s largest asset manager, has pledged to reach “net zero” emissions in its portfolio by 2050. But despite pledging in 2020 to sell off most of its fossil fuel shares “in the near future”, it still owns US$85 billion in coal assets due to a “loophole” in its policy. The list of failings goes on and on and on.
EIGHT FUNDAMENTAL FAILINGS

As Table 1 and these deeper dives help illustrate, the flaws of these Big Polluter “net zero” plans are vast. But central to most of them are eight fundamental failings:

**Too vague to mean anything:** Their systematic failure to detail concrete plans to decrease emissions at source. This vagueness is likely designed to deflect deeper scrutiny.

**Disguise the intent to ramp up emissions-intensive production:** Their business plans show that in most cases, these corporations are continuing to project for major growth of high-emissions or polluting products.

**Rely on Dangerous Distractions, not real solutions:** The plans rely primarily on mechanisms that don’t reduce emissions, such as carbon offsetting, as well as on futuristic, unproven, and dangerous geoengineering technologies such as Bioenergy with Carbon Capture and Storage (BECCS) and Direct Air Capture (DAC) that are unlikely to ever work at scale and guaranteed to cause great harm to communities, ecosystems, and biodiversity.

**Ignorant of science and logic:** The lack of credible science and data suggests the authors of these plans know and choose to ignore the fact that these “net zero” plans, combined with continued growth projections and lack of decreasing emissions at source, are not possible at the scale suggested.

**Investment in the status quo:** The plans channel corporate finance into funding organizations and initiatives that are focused on dangerous schemes, rather than proven real solutions and real emissions reductions controlled and led by frontline communities.

**Impossible arithmetic:** There is literally not enough available land for all the proposals to remove by various means (tree planting, ecosystem reforestation, etc.) all of the corporate and government emissions that they propose to maintain or increase.

**Profit over people and the planet:** The plans blatantly disregard the needs and priorities of Indigenous Peoples, frontline, peasant, and historically exploited communities whose lands, livelihoods, cultures, and lives will be directly impacted and undermined as a result of these plans.

**Rejection of systemic change:** Globally, people recognize that corporate power, structural racism, colonialism, and other systemic issues are driving climate change and other crises—and are demanding systems change. But through these “net zero” plans, the exploiters, abusers, and extractors that built a broken system that destroys the planet for their profit are attempting to position themselves as the “fixers”. In doing so, they plan to lock in, rather than transform, these broken systems.

Across sectors, Big Polluters have no intention of real climate action now, or anytime soon. And as this analysis makes clear, their “net zero” promises are as empty as all the countless others they have made over the past decades and are being used to attempt to trick the public into believing that they can still supposedly be the solution to the very crisis they caused.
JBS’ commitment to eliminate deforestation in its supply chain by 2035 is both worrying and overdue. It’s overdue because JBS is already linked to over 100,000 hectares of deforestation in Brazil (more than any other meat producer in the Brazilian Amazon), an estimated 80,000 hectares of which might be illegal.96 It’s worrying because in effect the timeline for this essentially means it will continue contributing to deforestation for the next 14 years (until 2035), instead of immediately ending the deforestation associated with its supply chain, arguably one of the most effective and quickest ways for JBS to decrease its emissions.

The corporation’s worrying track record goes well beyond its alleged illegal deforestation. In 2017, its parent company agreed to pay US$3.2 billion to settle a case that claimed it bribed 1,900 politicians in Brazil.97 This is one of the biggest fines in corporate history. JBS’ alleged illegal deforestation is linked to the lives and cultures of these communities and is little, if any, environmental benefits. In reality, Total is likely creating a wooded farm using invasive species of trees under the guise of climate action.

CASE STUDY- TOTAL SA: GRABBING LAND IN THE CONGO TO REACH “NET ZERO” AND AVOID REDUCING EMISSIONS

Total SA has pledged to achieve “net zero” emissions by 2050.104 Part of its plans involves eyeing up more than 10 million hectares of land reserve in Africa to plant trees.105 But where will this land come from, and is it Total’s to take? And can any number of trees scientifically or morally accommodate for Total’s intention to continue to pollute?

To achieve its “net zero” by 2050 commitment, Shell aims to rely on the use of Nature-Based Solutions (NBS) to compensate for its emissions. By 2035, Shell will also need to capture and store 25 million tonnes of carbon a year. Shell also proposes to compensate for a total emissions of around 120 million tonnes a year by 2030, and wants to establish a global NBS market.106 This is unrealistic, given the entire voluntary carbon offset market (meaning the offsets available to purchase by all global actors) in 2019 was only 104 million tonnes. The sheer magnitude of Dangerous Distractions Shell is relying on to achieve “net zero” clearly points to its intention to continue to pollute rather than decrease emissions at source.

According to Carbon Brief, Shell’s global energy vision “Sky 1.5” lays out a vision for the world that plans for the continued use of oil, gas, and coal until the end of the century, which is also indicative of its own intention.107 This global scenario also proposes a major reforestation programme that will require 700 million hectares of land over the century, an area close to the size of Brazil.108 Shell is hiding its business as usual scenario behind a façade of “net zero”. In the words of Professor Wim Carton of Lund University: “If we start normalising the use of these planetary scale negative emissions, it allows a company like Shell to basically claim they are in line with apparently whatever climate target you come up with, just by assuming large-scale negative emissions and at the same time saying we need to invest in oil and gas development”.109

CASE STUDY- TOTAL SA: GRABBING LAND IN THE CONGO TO REACH “NET ZERO” AND AVOID REDUCING EMISSIONS

On 16 March 2021, Total SA and French consultancy firm Forêt Ressources Management (FRM) signed an agreement with the Republic of Congo to plant a 40,000-hectare forest on the Batéké Plateaux.110 Total’s intention was that the planted trees would serve as a carbon sink that will sequester more than 10 million tons of carbon dioxide over 20 years. This is just one of many deals Total will need to strike in order to claim it is “compensating” for its continued emissions.

But much of this land in this area of the Congo is home to Aka Indigenous Pygmies and Bantu farmers. Mapping of this land suggests that it is used to sustain the lives and cultures of these communities and is looked after by them.111 It is likely that they would be evicted from these lands by Total or the government. Total has not publicly addressed this, claiming only that its offsetting projects will spur jobs and have “a positive impact on several thousand people”.112 It also pledged to start a fund to support health and education in neighbouring villages. But it has disclosed no details about these plans, nor whether any of this has even been discussed with these communities, or if they are even aware of the potential that they may be evicted from this land.

The type of trees Total plants are also problematic. In their projects in the Congo, they have reportedly used foreign trees from Australia or Asia, that undermine local biodiversity and risk destroying the natural ecosystem.113 Moreover, Total intends to cut down the trees and process them for wood or energy. So there is little, if any, environmental benefits. In reality, Total is likely creating a wooded farm using invasive species of trees under the guise of climate action.

Total’s eagerness to demonstrate its commitment to climate action in the Congo is likely not coincidental. In 2019, it acquired a permit for further oil exploration, a deal that has been described as a “death-knell for this globally important habitat for people and wildlife”.114

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How big polluters are orchestrating their way out of their climate crimes with “net zero”

How did we get here? In a matter of years, “net zero” has gone from a concept in scientific discussion to increasingly forming the foundation for weak “net zero” plans have taken hold of mainstream discourse—and become the predominant approach for corporations and governments alike. Beyond examining corporate “net zero” plans and their loopholes, this report aims to shed light on how “net zero” came to be the climate buzzword of the day. The findings indicate that, more than simply using “net zero” to greenwash their plans to continue to pollute, Big Polluters play a key role in shaping “net zero” as a distraction—working behind the scenes to displace real solutions. “Net zero” is the final play in Big Polluters’ campaign of obstruction and delay. The “net zero” is simply the latest, nefarious evolution of polluting and profiting. Our analysis illustrates that more than simply using “net zero” pledges to greenwash their plans to continue to pollute, Big Polluters play a key role in shaping “net zero” as a distraction—working behind the scenes to displace real solutions. “Net zero” is the final play in Big Polluters’ campaign of obstruction and delay.

Though there’s absolutely no excuse for this manipulation and neglect, the multitude of loopholes of these so-called corporate climate action plans shouldn’t come as a surprise, given who these actors are and what their track record is. Big Polluters have a decades-long, evidenced history of delaying, deceiving, and denying. Some of them knew more than half a century ago about the dangerous implications of their climate crimes with 

Big Polluters have deployed a variety of tactics to keep polluting and profiting. Our analysis illustrates that “net zero” is simply the latest, nefarious evolution of Big Polluters’ campaign of obstruction and delay. The strategies outlined here will be familiar to anyone who has studied Big Polluters—or Big Tobacco’s—playbook. What’s new is how they’ve applied this playbook to position “net zero” squarely at the centre of the policymaking table—displacing real solutions in the process.

STRATEGY 1: THE BUY OFF: BUY POLITICAL GOODWILL TO SECURE “NET ZERO” POLICIES

The lobbying machine of the industries pushing “net zero” schemes is formidable. It is the same machine that undermined and weakened the Kyoto Protocol, not to mention just about every concerted effort to advance meaningful climate policy in countries like the United States that are the most responsible for historic emissions. It counts on individual corporate lobbyists alongside some of the most powerful trade associations in the world, like the American Petroleum Institute and the US Chamber of Commerce. These groups are so effective and influential that they have not only been able to stop real solutions from taking hold, but also they’ve advanced policies that enhance the profits of their members and clients.

In 2020, an investigation by the United States Inspector General for Tax Administration found that the 45Q credit was being hugely misused, especially by the handful of corporations that had claimed almost all the tax credit to-date. The investigation found that only three of these ten corporations had some mechanism in place to qualify for the credit. While the Internal Revenue Service has refused to disclose the names of these corporations, because of their stated intent to rely on these technologies and thus continue pollution, it is reasonable to assume that many of the polluting corporations discussed elsewhere in the report make use of part of these ten, especially given the lobbying for this credit that is documented below. Congressional staff members were reported saying that they had reason to believe the largest credit went to Exxon, and estimates suggest Exxon could be positioned to claim up to US$70 million a year through this credit for just one of its CCS plants.

Even with the tax credit’s proven misuse, and its fundamental flaw of incentivising the continued use of fossil fuels, a policy proposal was tagged onto the Consolidated Appropriations Act 2021 that sought to extend this tax credit through 2025. This policy paved the way for climate inaction under the guise of “net zero” and displaced policies focused on real solutions that sought to address the climate crisis.

Big Polluters didn’t leave the passing of this “net zero” centred legislation to chance. Instead, they pulled the puppet strings to help see the bill through to passage. For starters, the likes of Exxon, Chevron, BP, Shell, American Airlines, Amazon, Walmart, BlackRock and Microsoft all lobbed in relation to the bill.

Big Polluters financially cosied up to the sponsor and four co-sponsors of the bill over the course of 2019 and 2020:

• The oil and gas industry contributed more than US$227,000 to the sponsor’s, Rep. Henry Cuellar, campaign—more than any other industry. This included US$12,500 from Chevron, and US$10,000 from Exxon.

• Co-sponsor Rep. Michael McCaul received over US$190,000 from the oil and gas industry and well over US$50,000 from both the retail and air transport industries. This included individual contributions from Exxon, Chevron, Amazon, and Delta Airlines. Chevron ranked the 8th highest individual contributor.

• Co-sponsor Rep. Vicente Gonzalez received nearly US$150,000 from the oil and gas industry—including contributions from Exxon and Chevron—more than from any other industry.

These sums may seem small, especially compared to the mammoth profits these corporations turn. But this in and of itself is telling—how much influence they secure for relatively so little. Ultimately their puppeteering seemed to do the trick, and the impacts for people and the planet are anything but small. In December 2020, the bill passed, formally extending this tax credit for false solutions through at least 2025 despite is misuse already being systematically documented.

* According to data registered on OpenSecrets.org
Even so, these corporations are wasting no time celebrating their success. Just months after the passage of the bill, in March 2021 bipartisan legislation was introduced to the United States Senate to extend the 45Q tax credit through 2039. The sponsor of the amendment act for extension of the tax credit, Sen. Shelley Moore Capito, has received over US$300,000 from the oil and gas industry and nearly US$170,000 from the air transport industry. She received contributions from companies, including over US$100,000 in contributions from Exxon, Chevron, American Airlines, Delta Airlines, Amazon, Microsoft, DuPont, and Walmart. This is just one example of political manipulation in one country where many polluting corporations are headquartered. Consider that similar strings are almost certainly being pulled in countries around the globe, on a daily basis. For a comparable example of how Big Polluters are advancing similar policies to displace real solutions with dangerous distractions like CCS in the EU, read “The Hydrogen Hype.” By pulling these strings, polluting corporations are orchestrating their great “net zero” escape.

**STRATEGY 2: THE LOBBYIST LOCK-IN: INFLUENCE POLICY TO LOCK IN “NET ZERO” AGENDA**

For as long as the UNFCCC—the main international space for global collaboration on climate policy—has existed, Big Polluters have undermined equitable and strong policy proposals from climate justice activists. They are able to influence and undermine climate policy by securing access to policymakers and strong policy proposals from climate justice activists.

When world governments come together at the UNFCCC’s 26th Conference of the Parties (COP26) currently set to be held in Glasgow at the end of 2021, governments are meant to agree to the rules for how Article 6, and thus carbon markets, can be used in the delivery of the Paris Agreement commitments. If IETA, polluting corporations, and wealthy polluting countries like the United States, Australia, and EU countries are successful, then carbon markets will continue displacing the real, proven, and equitable solutions we need to justly address the climate crisis. If this happens, we are guaranteed to far surpass the 1.5 degrees Celsius threshold.

At the UNFCCC, IETA is also remarkably savvy at cozying up to climate policymakers, government delegates, and in some cases even the secretariat of the UNFCCC itself. At COP25 in Madrid in 2019, IETA held a side event giving an update on Article 6. A legal officer from the UNFCCC Secretariat staff presented alongside IETA, a public illustration of their partnership. In another IETA sponsored event about carbon markets and Article 6 during COP25, the same Shell executive who bragged about influencing the Paris Agreement presented alongside a Head of Division for EU Climate and Energy Policy, Federal Ministry for the Environment. IETA also presented the United Kingdom with an “IETA Net Zero Award” in “recognition of its outstanding approach to enabling private sector finance to meet a net zero emissions goal.” These are just a few illustrations of the conflicting relationship between policymakers and these polluting interests—and how IETA uses those relationships to trumpet its “net zero” narrative. IETA’s engagement at the UNFCCC is littered with more of the same, and an IETA honorary board member and former president Andrei Marcu has actually negotiated on behalf of a country.

When it comes to Big Polluters’ stranglehold over international policy, IETA is just one of countless industry and trade associations that use their direct access to these negotiations to advance their corporate interests. Other industry groups representing Big Polluter interests with deep influence in policymaking processes include the likes of the International Chamber of Commerce, BusinessEurope, the United States Chamber of Commerce, and the World Business Council for Sustainable Development. Their collective influence is a critical reason why across the board, the global response to address climate change is grossly inadequate and wholly unjust. Instead of real, affordable, and people-centred solutions, the world’s response to the climate crisis rests on a crumbling foundation of false solutions like carbon markets, offsetting schemes, and “Nature Based Solutions.”
IETA’s influence at the U.N. climate talks is in part illustrated through the sheer dominance of its official delegations—i.e., the number of people it takes to negotiations. Often it has among the largest delegations of any non-governmental organization, and its delegations often significantly overshadow delegations from some of the countries hardest hit by climate change. This timeline illustrates the size of IETA’s delegation at the U.N. climate talks since the industry group was founded, compared to the average government delegation size in key moments when carbon markets were advanced.
STRATEGY 3: THE DECK STACKING: SHAPE ACADEMIC RESEARCH TO VALIDATE "NET ZERO"

Research and innovation coming out of the world’s leading academic institutions play a critical role in setting the bar for what climate ambition looks like, as well as in shaping national and international climate policy. If prestigious academic experts produce research and launch initiatives in favour of “net zero”, then policymakers and governments are likely to follow this lead—especially if this research provides policy pathways that require little change. This undermines academic integrity and weakens the political will to address the climate crisis and reduce emissions. And, of course, it props up Big Polluters’ interests and continues business as usual.

Some of the world’s most known academic institutions have deep ties to some of the world’s biggest polluters, even receiving hundreds of millions of dollars in funding for climate or “net zero”-related research. Exxon alone, which hasn’t even gone as far as to publicly commit to reach “net zero”, has formal relationships with more than 80 academic institutions around the world. Cargill has more than 63 such relationships, Chevron and Amazon each around 10, as do many other polluting corporations.

When we take a closer look at what these relationships look like in just a few of the world’s leading academic institutions, it’s easy to see the clear impacts these conflicting relationships have on shaping “net zero”-related academic research. Figures 2-5 break down some examples of what the impacts of these polluter partnerships translate into, using Princeton University, Stanford University, Imperial College London, and Massachusetts Institute of Technology (MIT) as examples. They are far from isolated cases of what these relationships look like and how they play out.

In some cases, the amount of influence polluters have over the research being produced is astounding. From 2002 to 2019, Stanford’s Global Climate and Energy Project (GCEP) produced research on Carbon Capture and Storage as part of its portfolio. The agreement GCEP makes with its corporate sponsors—such as Exxon, which has contributed US$100 million to GCEP—allows corporate sponsors to formally review research projects (including academic articles) before they are completed, and also allows them to be part of the project development team as affiliates. This hardly seems to embody academic integrity and independence.

Fortunately, more and more scientists are now speaking out about the big con that “net zero” represents, including 41 scientists that collectively published a piece debunking myths about “net zero” targets and offsetting.

Rather than allowing partnerships with the polluters driving the climate crisis, academic institutions should partner with experts, including movements, on the frontlines of the climate crisis. Such partnerships can advance and improve the viability and accessibility of real climate solutions—such as keeping fossil fuels in the ground and conserving and restoring ecosystems—to keep global temperature rise to well below 1.5 degrees Celsius.
Polluter linked pro “net zero” research:
• In 2018, the current co-director of the Stanford Center for Carbon Storage and the Stanford Carbon Removal Initiative, co-authored a paper on “net zero” with a University of California, Davis professor with links to Chevron, Shell, and BP.
• The Global Climate and Energy Project (GCEP), funded by Exxon, has produced more than over 900 papers in leading journals and more than 1,200 presentations at conferences. According to GCEPs’ portfolio, its second and third most funded projects have been focused on bioenergy and carbon capture and storage.

Employees with Polluter past working on “net zero” related topics:
• Research affiliate with the Stanford Center for Carbon Storage (SCCS) worked with Exxon for more than two decades.
• Professor and Co-Director SCCS has conducted research studies for National Petroleum Council and served on Advisory Committee for Statoil (now Equinor).
• Another professor serves as advisor to Shell’s New Energy Group.

Polluter participation at academic events:
• 2020 event on carbon management featured speakers from Exxon, Shell, and Total.
• 2018 Annual Meeting for Andlinger Center included a scientific advisor from Exxon.
• 2019 Princeton event had an Exxon employee as keynote speaker.

Corporate gifts from polluters:
• Amazon’s founder gifted US$15 million in 2011 for a neuroscience institute.

Dark Money - Polluter funded “net zero” related institutions or initiatives:
• Andlinger Center for Energy + the Environment has received over US$5 million from Exxon since 2015.
• Between 2000 and 2020, Carbon Mitigation Initiative (CMI) received over US$31 million from BP.
• Since 2000, Exxon and BP together have given over US$35 million to these two initiatives.

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Stanford’s Global Climate and Energy Project (GCEP) has received US$100 million since 2002 from Exxon.

In 2018, Exxon committed to contribute US$200 million to the Stanford Strategic Energy Alliance. Other members include Bank of America, Shell, Total.

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Polluter partnerships:

- Imperial has a “long-standing and fruitful partnership” with Shell that has led to “an impressive and diverse research portfolio, spanning nine departments and involving over 100 academics researchers”.\(^{213}\)\(^{214}\) The Qatar Carbonate and Carbon Storage Research Centre, one of Imperial’s many partnerships, “is the result of a 10-year, US$70 million strategic collaboration between Imperial College London, Qatar Petroleum, Shell and the Qatar Science and Technology Park, part of Qatar Foundation”.\(^{215}\) The program has the backing of nearly US$10 million, with “[carbon capture and storage (CCS)](at) the heart of [their] research”.\(^{216}\)

- Shell co-leads a £12 million program with Imperial, called InFUSE, which focuses in part on technologies for carbon capture and storage.\(^{217}\)

- BP has a long-standing collaboration with Imperial. Over recent years, this has led to the co-authorship of “23 journal and conference papers and strong connections with academics from nine of Imperials’ departments”.\(^{218}\)

Polluter-funded “net zero” related research:

- Research that supported the development of a 2020 paper on agricultural markets was supported by the MIT Joint Program on the Science and Policy of Global Change, a program funded by Cargill, Chevron, Exxon, Shell, and Total at the time of this research.\(^{219}\)\(^{220}\)

- A 2017 report on “net zero” was co-authored with a Shell employee.\(^{221}\)

Polluter partnerships:

- Launched in 2021, the Climate & Sustainability Consortium works with industry leaders to advance “net zero” carbon commitments.\(^{222}\) Its Members include polluter Cargill.\(^{223}\)

- Since 2008, Cargill has been a sponsor of the MIT Joint Program on the Science and Policy of Climate Change.\(^{224}\)

Polluter-linked pro “net zero” research:

- An academic paper published in 2018 titled “Carbon capture and storage (CCS): the way forward” was produced as part of a program funded by Shell and Imperial College London.\(^{211}\)

Employees with Polluter Past working on “Net Zero” related topics:

- One professor has past and present collaborations with corporations, including BP and Shell.\(^{219}\)\(^{220}\) This professor co-authored a paper with two BP employees where he did not disclose these industry ties.\(^{221}\)

- Another professor previously worked as Head of Structuring and Valuation for Global Power at BP.\(^{222}\)
CONCLUSION

The “net zero” plans of Big Polluters are the latest iteration of the decades-long push by Big Polluters to find a way to continue to pollute and extract profits at the expense of people and the planet. “Net zero” pledges represent Big Polluters’ and Global North governments’ attempts to escape their climate crimes by having others serve their sentence.

At the end of the day, “net zero” schemes are Big Polluters’ reinvigorated attempt to preserve business as usual and keep profiting. They must not be allowed to get away with this Big Con.

After decades of denial, it’s no coincidence Big Polluters are pushing “net zero” into the centre of climate action—it provides an avenue for boosting profits and talking about “climate action” without even mentioning a managed fossil fuel decline or decreasing the production and consumption of emissions-intensive products. On the contrary, many “net zero” projects are based on making new profits from utilising and storing carbon, while using that process to make even more money from further oil exploitation, all while requiring more energy than the present level.

Perhaps one of the gravest consequences of this era of corporate-driven climate commitment around “net zero” and offset schemes is not what they will do to the world but the real solutions that they are preventing from being implemented. According to the Intergovernmental Panel on Climate Change (IPCC)—the U.N.’s expert body on climate science—the global community has only less than a decade left to change the course of climate change. And most of the groundwork for this change needs to be laid this year.

If “net zero” plans remain the centre of global climate action, this precious time will be wasted on inaction. And, thanks to Big Polluters, global leaders will have squandered perhaps our final opportunity for the world to act to drastically decrease emission to the scale needed and commit to the real solutions that people from historically exploited communities, Indigenous communities, and others have been demanding for decades. If polluters are successful, people and the planet will be suffering climate catastrophe for decades to come, and we will face the consequences of an existential crisis.

But that legacy doesn’t have to continue. It can stop here. And it must.

WE NEED REAL SOLUTIONS AND CLIMATE JUSTICE

The best, most proven approach to justly addressing the climate crisis is to significantly reduce emissions now in an equitable manner, bringing them close to Real Zero by 2030 at the latest. The cross-sectoral solutions we need already exist, are proven, and are scalable now (see “Real Solutions, Real Zero” in the resources Box). All that is missing is the political will to advance them, in spite of industry obstruction and deflection.

People around the globe have already made their demands clear. Meaningful solutions that can be implemented now are already detailed in platforms like the People’s Demands for Climate Justice, the Liability Roadmap, the Energy Manifesto, and many other resources that encompass the wisdom of those on the frontlines of the climate crisis.

Leaders can listen to the people and once and for all prioritise people’s lives and the planet over engines of profit and destruction. To avoid social and planetary collapse, they must heed the calls of millions of people around the globe and pursue policies that justly, equitably transition our economies off of fossil fuels and advance real solutions that prioritize life now.
Helpful Resources

This report builds on a number of recent publications related to "net zero" and corporate capture of climate policy.

For more information about how "net zero" is being used by Big Polluters and governments to evade responsibility, shift burdens, and disguise inaction, read:

- "NOT Zero: How ‘net zero’ targets disguise climate inaction" at bit.ly/3ueSMu1
- "Chasing Carbon Buffons: The deception of carbon markets and ‘net zero’" at bit.ly/34fpW2f
- “Roll up, roll up! The Net Zero Circus is coming to a forest near you” at bit.ly/3oMjfhs

For more detail about the deeply flawed climate plans of Big Oil and Gas, read "Big Oil Reality Check" at bit.ly/3fyjnA0

For recent critique from scientists about the fallacies of "net zero" and offsetting, see: "10 myths about net zero targets and carbon offsetting, busted" at bit.ly/2RboXxe
- "Concept of net zero is a dangerous trap" at bit.ly/25Lao5u

To learn more about the land impact of Shell’s "net zero" climate target, read "Not-Their-Lands" at bit.ly/3uP36XZ

To learn more about the potential impacts of geoengineering proposals on the table, read the technology briefings available at bit.ly/3yRawPT

For more information about how Big Polluters are positioned to unduly influence all three major international climate and biodiversity summits in 2021, read "Corporate Contagion: How the private sector is capturing UN Food, Biodiversity, and Climate Summits" at bit.ly/3N9Y4E

To read more about the plethora of real, equitable solutions that do exist to justly address the climate crisis and reduce emissions on the timescale needed, read "Real Solutions, Real Zero" at bit.ly/3bUvHGV

To learn more about how it is possible to equitably phase out fossil fuels on the timescale needed, read "Equity, climate justice and fossil fuel extraction: principles for a managed phase out" at bit.ly/3fGPn21