

# The Stupidity of Ethanol as Green Energy

Analysis by [Dr. Joseph Mercola](#)

✓ Fact Checked

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## STORY AT-A-GLANCE

- › Carbon neutrality refers to a product that has net zero carbon emissions. The manufacture and use of corn-based ethanol has expanded based on the assumption that it's carbon neutral and therefore far better for the environment than gasoline. However, several studies have shown that such assumptions are categorically false
- › A 2016 study found corn grown for ethanol only offset 37% of carbon dioxide emissions produced by burning biofuels, resulting in net-positive carbon dioxide emissions that are greater than gasoline
- › One of the primary reasons why growing corn for ethanol has a net-positive CO<sub>2</sub> impact is because farmers are plowing up native grasslands to make more room for corn; 60 tons of carbon dioxide are released into the environment per acre of grassland plowed
- › Ignoring water consumption further underestimates CO<sub>2</sub> emissions from land-use change by 28%. When corn plants' water needs are considered, corn ethanol is worse for the environment than gasoline
- › A five-year study published in 2022 concluded the CO<sub>2</sub> emissions from corn-based ethanol are at least 24% greater than that of gasoline. On top of that, it has led to increased fertilizer use, resulting in greater water pollution and a growing dead zone in the Gulf of Mexico

**Carbon neutrality is the holy grail of the biofuel industry. It refers to a product that has net zero carbon emissions. In the case of ethanol, the corn or soybeans grown to**

produce it would have to remove as much carbon dioxide from the environment as is given off when the ethanol is burned.

The manufacture and use of ethanol in the U.S. has been allowed to expand based on the assumption that it's carbon neutral and therefore far better for the environment than gasoline. However, a 2016 study<sup>1</sup> by professor John DeCicco, Ph.D., at the University of Michigan, showed that such assumptions were categorically false.

## **Ethanol Is Far From Carbon Neutral**

What DeCicco and his team discovered was that biofuels such as corn ethanol are associated with a net increase in carbon dioxide emissions – even more so than gasoline. It turns out that the crops only offset 37% of carbon dioxide emissions produced by burning biofuels. At the time, DeCicco explained:<sup>2</sup>

*"The name of the game is to speed up how much CO<sub>2</sub> [carbon dioxide] you remove from the air ... The best way to begin removing more CO<sub>2</sub> from the air is to grow more trees and leave them. Prior to settlement, Michigan was heavily forested.*

*A state like Michigan could do much more to balance out the tailpipe emissions of CO<sub>2</sub> by reforestation than by repurposing the corn and soybeans grown in the state into biofuels. That is just a kind of shell game that's not working."*

Granted, DeCicco's study was funded by the American Petroleum Institute, which obviously has reason to want to discredit the sustainability of biofuels. However, the research reiterates what other, more independent researchers have found before.

## **Ethanol Raises Net Carbon Emissions**

For example, in 2014, the Environmental Working Group (EWG) released a report titled "Ethanol's Broken Promise,"<sup>3</sup> which reached similar conclusions as DeCicco's study. It too concluded that corn ethanol is worse for the environment than gasoline.

One of the primary reasons why growing corn for ethanol has a net-positive carbon impact is because farmers are plowing up native grasslands to make more room for corn. The failure to take this change in land use into account is how proponents of biofuels have been able to perpetuate the myth that it's carbon neutral.

According to EWG, more than 8 million acres of grassland and wetlands were converted to corn between 2008 and 2011 alone, and every time an acre of grassland is plowed, 60 tons of carbon dioxide are released into the environment.<sup>4</sup>

So, while the ethanol fuel program was designed to reduce carbon emissions, the loss of grasslands does just the opposite. Estimates showing corn ethanol's positive influence on the environment have also failed to consider the water needed to grow the corn.

“Ignoring water constraints underestimates emissions from land-use change by 28%,” EWG reported.<sup>5</sup> According to agricultural economists at Purdue University, when corn plants' water needs are considered, corn ethanol is worse for the environment than gasoline.<sup>6</sup>

The EWG also cited data debunking the false claim that ethanol has no impact on the price of corn and other agricultural commodities. According to scientists with the National Academies, the radical change in the proportion of corn used for ethanol resulted in the price of corn rising by 20% and 40% between 2007 and 2009 alone. This is partly why anti-hunger organizations have been so against corn-based ethanol.

## **The Many Downsides of Biofuels**

A five-year study<sup>7,8</sup> published in Proceedings of the National Academy of Science (PNAS) in February 2022 also came down hard on corn-based ethanol, concluding its CO<sub>2</sub> emissions are at least 24% greater than that of gasoline. On top of that, it has led to increased fertilizer use, resulting in greater water pollution and a growing dead zone in the Gulf of Mexico. As reported by Civil Eats:<sup>9</sup>

*“Despite the promise that the RFS [renewable fuel standard] would reduce greenhouse gas emissions, a new study ... finds that expansion of U.S. corn*

*cultivation has come at eye-popping environmental costs.*

*Corn production expanded by 8.7%, or 2.8 million hectares (6.9 million acres), between 2008 and 2016. As a result, the researchers found that nationwide annual fertilizer use surged by 3 to 8% and water pollutants rose by 3 to 5%.*

*The sheer extent of domestic land use change, however, generated greenhouse gas emissions that are, at best, equivalent to those caused by gasoline use – and likely at least 24% higher.*

*That's because the RFS caused corn prices to spike by 30% and soybean and other crops by 20%. As a result, farmers planted corn everywhere they could, replacing other crops and pastureland, and plowing up land that had previously been reserved for conservation purposes. They also often skipped the soybeans in their rotations, despite the potential impacts on their soil ...*

*Previous studies ... dramatically underestimated the impacts those land use changes had on carbon emissions; in fact, the models treated the land that was converted from conservation or pasture as if there was little change in the amount of carbon stored once it was planted with corn – which runs counter to existing empirical evidence<sup>10</sup> ...*

*In 2008 ... Timothy Searchinger, a senior researcher at Princeton University's Center for Policy Research on Energy and the Environment, was one of several who predicted<sup>11</sup> that using U.S. croplands for biofuels would increase greenhouse gas emissions through land use change.*

*Now, his assessment has been validated by the new study. Searchinger says the new study boils down to a simple, inescapable truth: Using land has a cost. And some uses simply don't make sense because the cost is too high.*

*'It's crazy to use this very limited resource – highly productive land – for energy,' he said. 'It's almost spectacularly inefficient.' Corn ethanol converts 0.15% of solar energy into usable energy, while a solar cell today converts 15 to*

*20% of sunlight to energy. 'And the good news is you don't need to put a solar cell on the best available farmland.'*

## **Will Large-Scale Carbon Capture Worsen the Situation?**

Fertile farmland may soon also be sacrificed for large-scale carbon capture and sequestration projects that are being implemented in South Dakota, North Dakota, Iowa, Minnesota and Nebraska. A 700 mile pipeline will pump waste from multiple ethanol plants in these states to a final destination in North Dakota where more energy will be required to inject it into the ground.

The experts guarantee no problems will occur with underground water sources or other potential hazardous leaks. Eminent domain laws will allow the governments to trench this pipeline without the farmers permission.

In a March 4, 2022, interview with SDPB Radio, Chris Hill, director of permitting for the Summit Carbon Solutions project, explained how they intend to capture and sequester the carbon emitted during the ethanol fermentation process:

*"The science behind it is relatively straightforward ... fermentation is not a new process ... The bugs eat the sugars or the starches that are from the corn. They ultimately produce alcohols. They release CO<sub>2</sub> in that process. That CO<sub>2</sub> bubbles up through the fermentation tanks and ultimately leaves the tanks and it's currently being emitted to the atmosphere. So that's the science and where the CO<sub>2</sub> is coming from.*

*We'll be pulling the CO<sub>2</sub> off its current emission point, which is the stack. And what we're doing with that is, we're going to use multistage compression to pressurize the CO<sub>2</sub> into a dense phase ...*

*After the CO<sub>2</sub> is compressed into a dense phase ... where it behaves similar to a liquid, it's going to be injected into a pipeline that will range between 4 inches and 24 inches depending on where you're at in the system, ultimately to transport that CO<sub>2</sub> up to North Dakota, just west of Bismarck in the*

*Oliver/Mercer county area, where it will be injected for safe and permanent sequestration ...*

*The USGS's study estimates that the state of North Dakota has a capacity to store approximately 250 billion metric tons of CO<sub>2</sub> ... And our annual capacity of 12 million metric tons. You can easily calculate ... that there's ... over 100 years of capacity in that area ..."*

Summit Carbon Solutions is the largest of three companies seeking to pipe CO<sub>2</sub> from ethanol-producing plants into porous rock, deep underground. The two others are Archer-Daniels-Midland and Navigator CO<sub>2</sub> Ventures.<sup>12</sup>

## **What Can Go Wrong?**

According to Hill, the science behind this ridiculous plan has been carefully analyzed and the process deemed 100% safe. Does that mean nothing can go wrong? Hardly. If history tells us anything, it's that anything that can go wrong probably will, sooner or later, and when it comes to liquefied CO<sub>2</sub> gas under pressure, it just so happens to be explosive when exposed to heat above 125 degrees Fahrenheit (52 degrees Celsius).<sup>13</sup>

Could liquefied CO<sub>2</sub>, under pressure, deep down in a rock formation, possibly get heated to combustible temperatures under extreme conditions? Something to ponder. Exposure to this CO<sub>2</sub>, say if a pipe were to bust a leak, also has severe health impacts, ranging from dizziness and increased heart rate to nervous system damage, frostbite and rapid suffocation.<sup>14</sup>

Aside from that, there's the direct and immediate threat to farmers – and anyone who needs food – as usable farmland may be seized through eminent domain for these pipelines.<sup>15</sup> Seizing the land of small farmers to install CO<sub>2</sub> sequestration pipelines hardly seems to be a wise move, seeing how all the signs point to severe food shortages and, potentially, **worldwide famine** in coming years.

## **ESG Is a Complete Fraud**

In late April 2023, Summit Carbon Solutions signed a multiyear agreement to sell Carbon Dioxide Removal credits (CDRs) to the NextGen, a joint venture between South Pole and the Mitsubishi Corporation.

According to PR Newswire,<sup>16</sup> NextGen is seeking to create “one of the world's largest diversified portfolios of CDRs, with plans to purchase over 1 million tons of CDRs by 2025.” While this may thrill investors, it won't do a thing for our environment.

In fact, **ESG (environmental, social and governance) investing is a complete scam**, designed to inflate profits, not save the planet. As reported by the Harvard Business Review in August 2022,<sup>17</sup> the trillions of dollars currently being pumped into ESG assets are “dedicated to assuring returns for shareholders, not delivering positive planetary impact”:

*“The separation of profit and planet is by design. ESG ratings which underlie ESG fund selection are based on ‘single materiality’ – the impact of the changing world on a company’s profits and losses, not the reverse.*

*They also bear no connection to natural boundaries. According to Bloomberg,<sup>18</sup> ‘[ESG] ratings don’t measure a company’s impact on the Earth and society. In fact, they gauge the opposite: the potential impact of the world on the company and its shareholders.’*

*Yet it’s hard to blame casual observers for believing that investing in an ESG investment fund is helping to save the planet. Marketing materials of ESG funds often make lofty statements about social or environmental aspirations, but the fine print reveals that the real goal is to assure shareholder profits.*

*For example, a prior statement from State Street’s ESG Investment Statement mentions the need to encourage a ‘transition to a low-carbon, more sustainable, resource-efficient and circular economy,’ but later it defines ESG issues as ‘events or conditions that, should they occur, could cause a negative impact on the value of an investment.’*

*According to Henry Fernandez, CEO of the leading ESG ratings provider MSCI, ESG doublespeak has confused most individuals, many institutional investors, and even some portfolio managers.”*

In 2020, Social Capital founder and CEO Chamath Palihapitiya went even further, telling CNBC that ESG investing is a “complete fraud.”<sup>19</sup> According to Palihapitiya, ESG “does not necessarily encourage best practices, nor does it move the ball forward on things like the climate crisis.”

Rather, it’s primarily a marketing ploy to sell potentially questionable investments and “a way for companies to get free money,” as having a high ESG means you can get negative-interest loans.

## **Rampant Greenwashing**

Similarly, a March 2022 post titled “The False Promise of ESG” on the Harvard Law School Forum on Corporate Governance<sup>20</sup> noted that highly-ranked ESG businesses oftentimes are LESS socially responsible than companies with far lower scores. Indeed, several investigations have revealed rampant greenwashing, with many ESG-labeled funds being far from “sustainable.”

Take FTX, for example. [FTX](#) – the cryptocurrency exchange that went belly up overnight while its CEO, Sam Bankman-Fried absconded with up to \$2 billion of client funds – had a higher governance score than Exxon Mobil,<sup>21</sup> despite having almost no corporate governance whatsoever.

It had no board of directors, an “irregular ownership structure,” was rife with conflicts of interest and self-dealing and had no financial controls. Bankman-Fried didn’t even keep an accurate list of accounts. If this doesn’t tell you that ESG is flawed at best, and a complete fraud at worst, I don’t know what will.

FTX isn’t alone in falling short of expectations, though. According to a September 2021 report by climate change think tank InfluenceMap, more than half the 723 funds marketed using ESG claims failed to meet the Paris Accord rules on carbon emissions

and clean energy, and more than 70% of funds with broad ESG goals failed to meet global climate targets.<sup>22</sup>

## **ESG Is Another Globalist Takeover Tool**

One glaring problem with ESG is the lack of regulations that define what qualifies a company as environmentally or socially responsible. It is this very lack of definition that allows the globalist cabal to use ESG to push their own self-serving ideologies on companies and consumers.

In a November 2022 Newsweek opinion piece,<sup>23</sup> Republican candidate for the U.S. Senate in Pennsylvania, Kathy Barnette, called ESG “a woke scam” that is changing our nation by forcing companies to embrace ideologies that most people would otherwise reject:

*“ESG is the latest trendy acronym designed to empower the elites at the expense of us non-elites,” Barnette wrote. “It’s a wokeness scorecard for investors.*

*Think of the E in ESG as code for climate change activism. Think of the S in ESG as code for social justice – how open a company is to critical race theory, diversity mandates, and drag queen story hour in public libraries. And the G is all about how much power employees have to shake things up at a company ...*

*Altogether, ESG investing insidiously changes traditional American values, all while never by having to stand before the American people and ask for their permission.*

*But the real danger is to society. ESG is a win-win for climate change activists and social justice warriors who can bypass the ballot box – and thus the will of the people – to implement policy that would have a very hard time getting passed in Congress.”*

# ESG Drives the Financial Great Reset

F. William Engdahl, a strategic risk consultant and lecturer who holds a degree in politics from Princeton University,<sup>24</sup> has discussed how ESG investing fits into the globalists' Great Reset more directly:<sup>25</sup>

*"[BlackRock founder and CEO Larry] Fink ... now stands positioned to use the huge weight of BlackRock to create what is potentially ... the world's largest Ponzi scam ... Fink with \$9 trillion to leverage is pushing the greatest shift of capital in history into a scam known as ESG Investing.*

*The UN 'sustainable economy' agenda is being realized quietly by the very same global banks which have created the financial crises in 2008.*

*This time they are preparing the Klaus Schwab WEF Great Reset by steering hundreds of billions and soon trillions in investment to their hand-picked 'woke' companies, and away from the 'not woke' ... Oil companies like ExxonMobil or coal companies ... are doomed as Fink and friends now promote their financial Great Reset or Green New Deal."*

The case of Tesla also shows how ESG can be, and is, used as a weapon. Elon Musk initiated his acquisition of Twitter in mid-April 2022. One month later, his company Tesla was removed from the ESG Index, despite its focus on creating environmentally conscious vehicles. Meanwhile, Exxon Mobil remained in the S&P 500 ESG Index top 10.<sup>26</sup> Musk tweeted,<sup>27</sup> "... ESG is a scam. It has been weaponized by phony social justice warriors."

## Control by Allocation of Resources

In summary, the ESG system is an early phase of the new financial system envisioned by the World Economic Forum (WEF). Basically, a company's ESG score decides its ability to obtain loans and investment opportunities, and in the future, the same "social conscience"-type scoring will apply to private individuals as well.

ESG is also a specific tactic to push the “green” agenda forward, and it too is part and parcel of the WEF’s Great Reset. While the notion of a pollution-free world is an attractive one, ESG investing isn’t about the environment, or social justice, or anything else it claims to stand for.

It’s all about creating a control system in which the world’s resources are owned by the richest of the rich, while the rest of the population can be controlled through the allocation of those resources, including energy. As explained in an anonymous Winter Oak article:<sup>28</sup>

*“Under such an economic construct, asset holding conglomerates can redirect the flow of global capital by aligning investments with the UN’s SDGs [sustainable development goals] and configuring them as Environmental, Social, and Corporate Governance (ESG) compliant so that new international markets can be built ... and eventually move populations towards a cap-and-trade system, otherwise known as a carbon credit economy.*

*This will centralize power in the hands of stakeholder capitalists under the benevolent guise of reinventing capitalism through fairer and greener means, using deceptive slogans like ‘Build Back Better’ without sacrificing the perpetual growth imperative of capitalism.”*

The WEF itself also describes ESG as being part of its resource-based economic system:<sup>29</sup>

*“Digital finance refers to the integration of big data, artificial intelligence (AI), mobile platforms, blockchain and the Internet of things (IoT) in the provision of financial services. Sustainable finance refers to financial services integrating environmental, social and governance (ESG) criteria into the business or investment decisions.*

*When combined, sustainable digital finance can take advantage of emerging technologies to analyze data, power investment decisions and grow jobs in sectors supporting a transition to a low-carbon economy.”*

So, in closing, it's important to be aware of the downsides of relying on suspect labels like ESG, which could ultimately tie the global population to a new form of data slavery.<sup>30</sup>

## Sources and References

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- <sup>4</sup> [Star Tribune September 24, 2012](#)
- <sup>7</sup> [PNAS February 14, 2022; 119\(9\): e2101084119](#)
- <sup>8</sup> [ARS Technica February 17, 2022](#)
- <sup>9</sup> [Civil Eats February 14, 2022](#)
- <sup>10</sup> [Environmental Research Letters Comment, doi: 10.1088/1748-9326/ac2e35](#)
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- <sup>13, 14</sup> [Praxair Safety Data Sheet Carbon Dioxide](#)
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