

## Proposed Amendments for Advance Clean Car II

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Mon 1/2/2023 7:57 AM

To: Krall, Kyle (DNREC) <Kyle.Krall@delaware.gov>

Kyle,

Unfortunately I was unable to attend your public workshops in December, but I did review the slide deck and found it severely lacking in addressing real problems with your proposal.

First you don't present the clear cut science that 1) Greenhouse Gases are a problem and 2) that CO2 is an important component of that collection of gasses that it would make a difference. 3) You do not address any of the real world issues with electric fleet of cars

Lets start with

Without greenhouse gases, surface air temperatures would be well below freezing. The warming influence of greenhouse gasses is a matter of life and death. It keeps the planet's average surface temperature at 59 degrees Fahrenheit.

[https://energyeducation.ca/encyclopedia/Earth\\_Temperature\\_without\\_GHGs](https://energyeducation.ca/encyclopedia/Earth_Temperature_without_GHGs)

Without this greenhouse effect, the average surface temperature would be 0 degrees Fahrenheit.

Analyses of millions of deaths in recent decades in numerous countries, published in the British medical journal The Lancet, show that cooler temperatures killed nine times (July 2021 study) to seventeen times (In May 2015 study) more people than warmer temperatures.

[https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196\(21\)00081-4/fulltext](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(21)00081-4/fulltext)

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(14\)62114-0/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(14)62114-0/fulltext)

The planet's recent modest warming (by 1.00 degree Celsius on average since 1880, as calculated by NASA) thus has been saving millions of lives.

The Number 1 greenhouse gas is, wait for it, Water Vapor! You know "clouds".

<https://globalchange.mit.edu/news-media/in-the-news/greenhouse-gases-water-vapor-and-you>

Yes 80% of greenhouse gasses is water vapor.

<https://yaleclimateconnections.org/2008/02/common-climate-misconceptions-the-water-vapor-feedback-2/>

Nitrogen and Oxygen make up 99% of our atmosphere. CO2 is 0.0416%. Further more 95% of CO2 is NOT "man made".

CO2 is not a pollutant, its is plant food.

There is clear evidence that increased atmospheric carbon dioxide is environmentally helpful to food crops and other plants that nourish all life.

1200 actual climate scientists have signed on to the "There is No Climate Emergency" declaration.  
<https://clintel.org/wp-content/uploads/2022/06/WCD-version-06272215121.pdf>

None of this takes into account Milankovitch cycles. Milankovitch cycles are periodic changes in the orbital characteristics of a planet that control how much sunlight it receives, thus affecting its climate and habitability over hundreds of thousands of years.

Taking the above FACTS into account can you explain the following:

-- How did MAN create multiple Ice Ages we have had in the planet's history?

-- How do explain the pre-industrial medieval warming period?

-- How do you plan to regulate volcanic eruptions, sea floor vents, the movement of the magnetic poll, solar flares, tectonic plate movements etc? ALL of which impact our weather far more then "man made carbon emissions".

-- How do you explain the drop in days of temps over 95F in 110 years for the US?

<https://realclimatescience.com/2022/07/july-heat/>

-- If Dr. Mann is so confident in his model, why has he NOT shared his data or methods for others to replicate, after all isn't that the point of peer reviewed science?

<https://quadrant.org.au/opinion/doomed-planet/2019/09/a-climate-modeller-spills-the-beans/>

<https://www.climatedepot.com/2019/09/30/another-climate-scientist-with-impeccable-credentials-breaks-ranks-our-models-are-mickey-mouse-mockeries-of-the-real-world/>

<https://climatecite.com/is-man-made-global-warming-mann-made/>

-- How do you explain Europe turning back to coal generated power because Green energy production failed?

<https://www.breitbart.com/news/dutch-join-germany-austria-in-reverting-to-coal/>

-- Do you think it wise to increase our dependency on China for Lithium and other rare earth metals required for the green energy movement?

<https://www.worldatlas.com/articles/the-top-lithium-producing-countries-in-the-world.html>

<https://investingnews.com/daily/resource-investing/critical-metals-investing/rare-earth-investing/rare-earth-metal-production/>

-- Where do you plan on getting all the extra "copper" you will need?

<https://hackaday.com/2022/08/31/we-cant-switch-to-electric-cars-until-we-get-more-copper/>

-- What will you do with all of the non-recyclable Lithium batteries soon to fill landfills?

-- How do you plan to generate all the power required to charge these electric vehicle fleet assuming that the majority of single family homes will require 200Amp service to provide adequate charging for two vehicles?

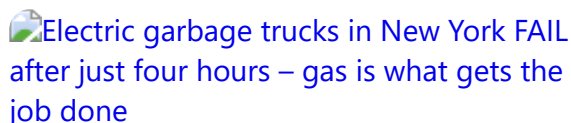
— How will you deal with the new strains on the power grid? Will you be asking citizens to NOT charge their vehicles?

<https://nypost.com/2022/09/01/californians-asked-not-to-charge-electric-cars-amid-heat-wave/>

-- How do plan to properly equip fire departments to handle electric vehicle fires?

<https://nypost.com/2022/10/06/electric-vehicles-catching-fire-in-florida-after-hurricane-ian/>

-- How do plan on dealing with the conversion of all of the government fleet of vehicles to electric? (fire ambulance, police, sanitation, public transportation) \$534,000 for Trash trucks in NY and can barely run for 4 hours.

Electric garbage trucks in New York FAIL after just four hours – gas is what gets the job done

Electric garbage trucks in New York FAIL after just four hours – gas is what gets the job done  
citizens.news

-- How are you going to explain to citizens that they will need to spend approximately 30K for an electric vehicle and in about 6 year have to spend 18K to replace the batteries?

<https://mechanicbase.com/electric-vehicles/ev-battery-replacement-cost/>

-- How will you explain charging time to citizens on a trip from Delaware to say Orlando Florida takes about 18 hours by internal combustion engine, how long will it take with an electric car? (It takes about 15min start to finish to fill and pay for gas, how long will it take to fully charge and electric vehicle every 200 miles at best, remember basic physics the faster you charge something via large current the higher the resistance which creates heat and increases the risk of fire.)

Furthermore, weather can actually effect the range of the vehicle "researchers found on average range could decrease about 40% due to cold temperatures and the use of heat".

Or how about when you are stuck in traffic and your run out of juice? With a gas powered vehicle you can call AAA and have a 5 gallons of gas provided to get you to the nearest gas station. How does that work with an electric car, tow it?

- What do have to say about the environmental impacts of strip mining for the rare earth metals and lithium? How do you propose to get around those issues? It seems to me you are creating a greater negative environmental impact then with CO2 emissions which are part of the life cycle of the planet.
- Why don't you consider planting Trees and other plants that absorb CO2 naturally, OR preserving more green spaces in Delaware?
- Why do some farmers inject CO2 into their green houses to increase plant productivity? Seems to me that CO2 actually produces more food.
- Are you planning on regulating Water Vapor, after all it is a more potent form of Green house gas and makes up far more of our atmosphere then CO2?
- Are you going to go after the beverage industry? (after all every time you open a beer, champagne, soda or sparkling water you are releasing CO2 into the atmosphere)
- How are you planning to deal with the increase costs of energy production and thus electric bills of Delawareans as you force the move away from fossil fuels? (that alone will through off you 4 year return of investment, coupled with some users having to replace their batteries after as little as 5 years)
- What is your plan for people who make their living maintaining gas/diesel powered vehicles?

As you can see I have a lot of questions for you, ones that you should be able to answer prior to putting this ridiculous plan into action.

I look forward to reading your answers to each of my questions.

Joseph Barisa