

Subject: Public Hearing Comments

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From: DoNotReply@delaware.gov

To: HearingComments, DNREC (MailBox Resources)

Comments on 2022-R-A-0011: Low Emission Vehicle Program

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Comments:

A mandate for EVs by DNREC is inappropriate. This is what the Delaware state Assembly and Senators should be voting on. You are usurping a mandate without going through the legislative process; it was a mandate without US Congressional oversight, and now is being pushed by Governor Carney to be similar to CA. The regulations don't consider that it will run a lot of Americans out of automobiles, there is a lack of infrastructure for filling EV cars, and will divide the country into the haves with the expensive cars and the have-nots who cannot afford EV or maintain them. Cars on the road average 12 years because people can't afford a new car; they can't afford an EV car that will last 7 years and be useless with a dead battery. The EV rules would require an incredibly rapid EV transition that industry, the grid, and consumer demand cannot keep pace with. The critical mineral supply chain is already under stress. Does EPA even know whether there is enough raw material to meet its proposed standards? Did the EPA even document how the high cost of this mandate, in the trillions, might reduce air temp by 1 degree, or so says the modeling? Current and proposed EPA rules do not account for these upstream emissions when calculating compliance, let alone the additional emissions and toxic pollution generated by mining rare earth minerals around the world. The US has ignored the impact on Africa where a cobalt supply will only last 30 years. Children as young as five are digging holes several feet down, without scaffolding, to collect the aggregate rock, which contains cobalt and uranium. The villagers are experiencing coughing, pay of \$1.00 per week, children die every week in the surface mines, and the mines are owned by the Chinese. I reviewed the EPA website for Q/A for EV and do not believe that the EPA has extensively reviewed all the shortcomings of EV. Here is my response to two of their comments: "Myth #3: The increase in electric vehicles entering the market will collapse the U.S. power grid. • FACT: Electric vehicles have charging strategies that can prevent overloading the grid, and, in some cases, support grid reliability." It is true that the increasing number of electric vehicles (EVs) on the road will lead to increased electricity demand. Yet, how that impacts the grid will depend on several factors, such as the power level and time of day when vehicles are charged, and the potential for vehicle-to-grid (V2G) charging among others. People without homes with sources of electricity will be lined up in ques for recharging. Plus in the summer we are routinely requested to reduce our electric use in our homes. Tell that to people waiting in a que line of up to a mile to recharge their cars. How many EV stations are sufficient? The EPA has not conducted a cost analysis to confirm that the EV can't be supported by the US economy! "Myth #4: There is nowhere to charge. • FACT: Electric vehicles can be plugged into the same type of outlet as your toaster! When you need to charge while on the road, you'll find over 51,000 stations in the U.S. available to the public." On holiday weekends, Rt 1 to the Delaware beaches has tens of thousands of cars on the road. If there is a breakdown or crash, or with heavy traffic, it will take more than 4 hours to drive to the beach from Wilmington. If an EV car contains many passengers, loaded with luggage, etc., the EV car which supposedly has a range of 200 miles, will not make it to the beach. The range number reflects unimpacted conditions and only one passenger. How will a stranded EV car get electric on the road? Get a bucket?! My suggestion is that there be a transition for hybrids and EVs. I find it ironic that the gasoline engine has been the choice for cars for over 100 years and work well and reliably. The research on EV cars has been limited to some years, is not long-term tested, is a disaster without electrifying stations, and is being mandated. The EPA has not calculated the limited supply of 50 years of rare minerals in the world (what is next-back to oil, of course) and the hardships in third world countries to produce the minerals for the EV cars for the rich first world countries. I suggest that EVs be phased in, not required for all new cars, as of 2025. EV are exploratory vehicles, untested, and gasoline vehicles be permitted to be produced and purchased in the state of DE until the infrastructure for EVs has been considered and the benefits documented. Do not vote in the EV low

emission program. Marie Maks Wilmington, DE 19808