Workshop on Adoption of California's Advanced Clean Car II Standards

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

I have several comments about the adoption of the clean car II standards I would like to add to the public comment:

- 1. Should these standards require a longer warranty? By that, having experience with several hybrid cars, I have found the battery advertised drive time significantly is reduced in the first few years of use. Without some sort of manufacturer guarantee that the driving range will remain say within 85% of the advertised range, it can be extremely expensive to replace a battery on a vehicle that will not function as designed. Without alternative options, such as hybrids, the battery life span is critical to the function of the vehicle.
- 2. Are adequate level 3 charging stations being required throughout the state? It seams without higher charging rates, only requiring production of Electric Vehicles (EV) to be sold will significantly hamper and increase drive times throughout the state.
- 3. Is there a requirement to retrofit rental properties with charging stations that equal the number of units available? It appears that requiring EV sales and not retroactively requiring all rental properties to have charging stations would effectively prohibit renters in Delaware from purchasing a new vehicle.
- 4. What will happen at the lifespan of the batteries, say ten years? It seam to me that the replacement/repair cost of a failed battery will likely be higher/as high as the used vehicles value. For those of us, that rely on used vehicles for transportation, this is a catastrophic event. This would likely extend the life of gasoline vehicles indefinitely and add a significant waste stream to our landfills? I mean if it isn't economical to fix a used EV because the battery is bad, wont those vehicles likely end up in the land fills? As the cost of battery production isn't likely to decrease enough in the near future to make batteries cheap, this seams like a significant problem.
- 5. Can't alternate methods be used such as hybrid production? It seams to me, that there are currently no production vehicles capable of what I need in my price range. If a EV light truck can only get about half of the rated drive distance pulling a trailer, and half the distance isn't what my normal round trip from work to home would be, then this isn't an option for me.
- 6. What about out of state vehicle purchases? Will they be allowed from states that do not have the clean car II standards?

Thank you,

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