

## EV Mandate

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Below are my thoughts regarding the EV mandate.

### Electric Vehicle Comments

#### Economic Arguments

- Secretary Garvin claimed that the transition to electric vehicles (EVs) is market driven. If the transition to EVs were market driven, the average consumer would see a benefit to purchasing EVs over hybrids or gas cars and no government incentives or mandates would be needed. In fact, government actions would be counterproductive. However, this is not the case. Polls indicate that only a minority would strongly consider buying an EV for their next vehicle purchase. Despite this, if the Dover politicians think that this is market driven, they should stay out of the way and let the market drive the change or at least stop feeding us this misinformation.
- Secretary Garvin claimed that we needed to adopt the edict because if we didn't, all the electric cars would go to dealerships in other states. No one is restricted to purchasing cars within their own state, and that is likely more prevalent in a small state like ours. The last 4 cars that we purchased were all out of state, because the deals were better. If you are concerned about helping the car dealerships in DE, examine the costs that the state contributes to a dealership and the cost of purchasing a car in DE. When the dealerships feel threatened because they can't put enough EVs on their lots, that's when you take action, not before. The government does not know the car industry better than the dealerships.

#### Climate Arguments

- An interesting thing occurred at the meeting I attended regarding the EV mandate. Secretary Gavin made no mention, at least none I recall, about an environmental benefit. Is there any? Don't assume there is. Switching from gas to electric moves the power supply from the car engine to the electric power plants. As of 2021, 95% of the DE electric power grid came from fossil fuels, mainly natural gas. There are also electrical power losses from transmission in the lines and converting from AC to DC electricity at the charging stations. Could this actually increase carbon emissions?
- People far smarter than I have evaluated gas, electric, and hybrid vehicles. Their conclusion was that, at this time, hybrid vehicles were the lowest overall for carbon dioxide emissions. See the TED Presentation, Graham Conway, The Contradictions of Battery Operated Vehicles, <https://www.youtube.com/watch?v=S1E8SQde5rk>. My suggestion would be for the government to start buying hybrid vehicles for government use.

#### General Comment

- We all value the environment, after all, it is where we live. The real question is, "Where should we place our money and efforts?" While it may feel good to do something, if it is a complete waste of time and resources or of very limited benefit, we should understand that. There is a compelling argument made from an individual in the UK who was originally from Russia. We should accept that there are other parts of the world that are working hard to achieve our level of economic comfort. Environmental concerns will not overshadow that. Innovation has provided the current designs for wind mills and solar panels. Innovation is what will improve on those designs and potentially identify other sources of practical, economically viable power for vehicles. Video (10 min): <https://www.youtube.com/watch?v=zJdqJu-6ZPo>