

From: [Garvin, Shawn M. \(DNREC\)](#)
To: [Marconi, Angela D. \(DNREC\)](#)
Subject: Fw: electric vehicle mandate
Date: Monday, February 6, 2023 8:30:51 AM

From: Debra Cox <debanddave2@verizon.net>

Sent: Friday, February 3, 2023 6:32 PM

Subject: electric vehicle mandate

Thank you in advance for your time to read my email.

I too, am concerned about our environment, however, electric vehicles are not the answer, now or in the foreseeable future. I have researched this and would like to give more than more than just a passing opinion. E-vehicles do not solve the problems. They create new ones.

First of all, is the manufacturing of the vehicles. They still require all the elements of combustion engine vehicles for the structural parts; body, tires and wheels, seating, electrical wiring and glass. The batteries that replace the internal combustion engine however require rare elements like lithium and cobalt. We have to import these cells, as currently China owns two thirds of that market. Cobalt generally comes from Democratic Republic of Congo, where it has been documented about the abuses and the use of child labor. Regardless of where it is mined, it produces significant environmental issues as these toxic materials seep into the waterways. Cobalt is already running low, so how will this meet future demand? The batteries alone are almost about 40% of the cost of the vehicle and yes they will need to be replaced. So where do you plan to dump them?

Charging is another issue. There are not enough places to charge as it is with the comparatively few on the roads today and yet you expect everyone to drive one. Where will they charge? More importantly, what about the compounded strain on the already taxed and outdated electrical grid from all these added vehicles? Let's consider the fact that electric does not come from a currant bush, so it is not green at all. Electricity is generated from usually a coal fired plant or nuclear site. You have saved nothing.

The cost of these vehicles are prohibitive to the average person. The added cost of their electric at home to charge or paying a charging station saves them no money in the end, so what incentive is there to buy one for those with a few brain cells to realize they will save nothing by buying one?

No, there is no way to solve these issues in just 3 short years. Please consider these main bullet points and many more that show this is not

wise. Perhaps it will be achievable some time in the future but it is a future far away from 2026

Debra Cox