

PROBLEMS WITH ELECTRIC VEHICLES

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I am recovering from surgery and did not take part in the discussion. But I would like to express my views on electric vehicles bring MANDATED by the government - any Government , be it Federal, State, or Municipal!

Before Delaware rushes into Policies created by the Peoples Republic of California, I am philosophically AGAINST such a mandate. America is supposed to be a country where FREEDOM exists. If people want to buy an EV, that's their choice. But don't make ALL of us do this silly thing. Are we abolishing the free enterprise system that has given Americans the highest standard of living in the world?

Here are some comments that our politicians should read:

The utility companies have thus far had little to say about the alarming cost projections to operate electric vehicles (EVs) or the increased rates that they will be required to charge all their customers. It is not just the total amount of electricity required, but the transmission lines and fast charging capacity that must be built at existing filling stations. Neither wind nor solar can support any of it. Electric vehicles will never become the mainstream of transportation!

The problems with electric vehicles (EVs) are that they are too expensive, too unreliable, rely on materials mined in China and other unfriendly countries, and **require more electricity than the nation can afford.**

In order to match the 2,000 cars that a typical filling station can service in a busy 12 hours, an EV charging station would require 600, 50-watt chargers at an estimated cost of \$24 million and a supply of 30 megawatts of power from the grid. That is enough to power 20,000 homes. No one likely thinks about the fact that it can take 30 minutes to 8 hours to recharge a vehicle between empty or just topping off. What will the drivers be doing during that time?

EVs Per Block In Your Neighborhood -

A home charging system for a Tesla requires a 75-amp service. The average house is equipped with 100-amp service. On most suburban streets the electrical infrastructure would be unable to carry more than three houses with a single Tesla. If half the homes on your block were to have electric vehicles, the system would be wildly overloaded. Brownouts would have to occur.

Batteries -

Although the modern lithium-ion battery is four times better than the old lead-acid battery, gasoline holds 80 times the energy density. The great lithium battery in your cell phone weighs less than an ounce while the Tesla battery weighs 1,000 pounds. And what do we get for this huge cost and weight? We get a car that is far less convenient and less useful than cars powered by internal combustion engines.

You do not need to have an advanced degree in mathematics to understand the term "Overload"! The average person, no matter where you live, can quickly identify the political feel-good sensation that is being attempted by those short-sighted individuals (including the current Occupant of the White House) who are promoting the EV revolution....Vehicle manufacturers, Charging station builders, Transmission Line contractors, Battery producers....etc. "It's Magic"....and you are saving the planet by creating less pollution as you get rid of your gas burning vehicle and take out a five-year loan to pay for the shiny new \$60,000 electric car. No more fill-ups at the service station and the global warming is solved. BUT WAIT....why are we losing power at our house? Why do we have rolling brown-outs like CALIFORNIA?

Well the short answer is....We failed to understand that our electrical grid reached max capacity and was completely overloaded when all of the EV's were plugged in. The next short answer is....where do you think the energy came from to supply the grid in the first place? It sure was not from Wind or Solar....nor from any other alternative energy source we use which, when all combined, only provides 7% of today's use demand. It was from the traditional combustible resource called Hydrocarbons! Yes, that's right FOSSIL FUELS!

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