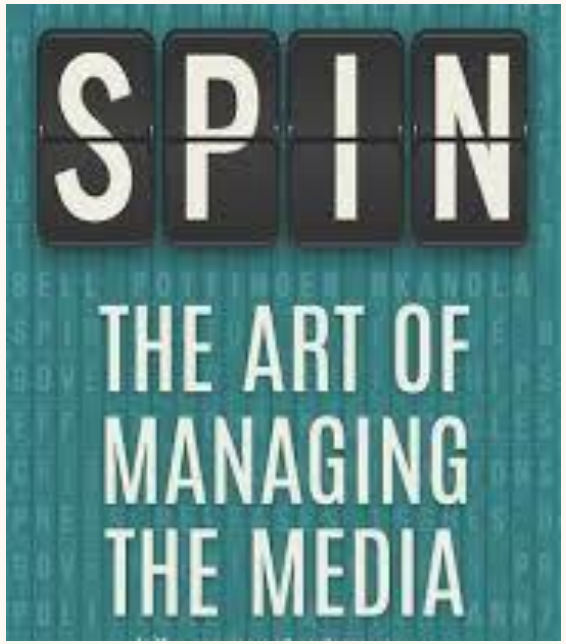
E3
ENGAGE
EMPOWER
ENHANCE

Advising Greentech companies to help maximize growth

Misinformation on EVs Comes from Both Sides



Charging network “deniers”

- Myth #5 on the EPA website: There is nowhere to charge.
- The EPA points out that EVs can be plug into a toaster outlet. True if you have 8 -12 hours to charge which may be fine for overnight home charging at a single family home.
- The most egregious EPA spin is portraying the 68,000 U.S. public charging stations as sufficient.

Not by a long shot. There are 200,000 gas stations with over 1 million gas pumps in the U.S. The U.S. needs at least 500,000 public charging stations, if not 1 million.

- As for the YouGov survey, it concluded that 80% of petrol drivers were incorrect in believing that the UK is not on course to install an adequate charging infrastructure, stating that the country is on target to install 300,000 by 2030.

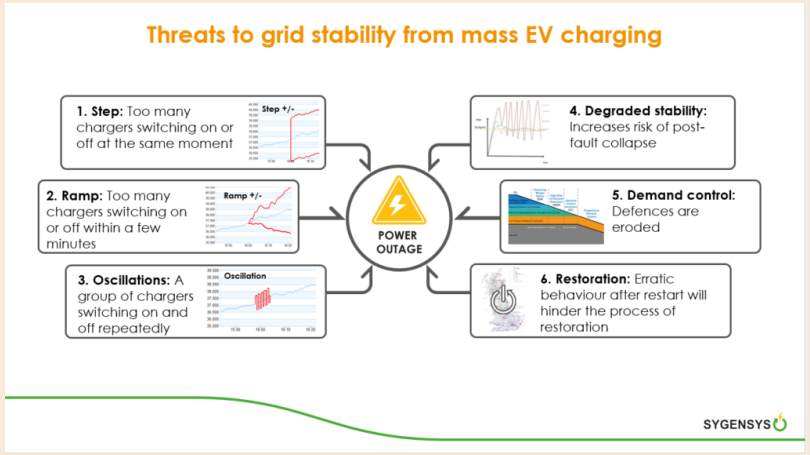
In a recent post on this very topic, I cited World EV Day which noted that the UK has 75,000 chargers installed and needs 3.5x that many to hit its target. No worries, it has 5 years to do it. Any bets on whether it will happen?

Both the EPA and YouGov survey “spun” the truth about an adequate charging network. Additionally, neither broached the subject of charging for multi-dwelling buildings.

My advise: stop blowing smoke up people’s butts. The charging network isn’t close to where it needs to be in any country not named China.

Admit it and fix it.

Grid "deniers"



Like most things related to the clean energy transition, establishing a viable EV charging network will require grid operators to adapt to a new world where electric load requirements shift and infrastructure upgrades are required. That calls for careful analysis and planning.

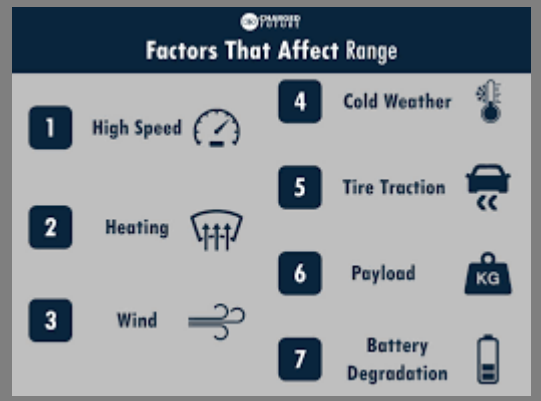
- Myth #4 on the EPA website: The increase of electric vehicles entering the market will collapse the U.S. power grid.

True but misleading. No sane person is suggesting that EVs will "collapse" the grid. However, the EPA contorts its explanation to lead readers to believe that it's a piece of cake. It isn't, and to date, I don't believe anyone has sufficiently fleshed out the upgrades that will be required to handle the shifting load from fast chargers.

- In the YouGov survey, 59% thought that the UK's electricity grid will not be able to cope with the shift to EVs. 20% "correctly" identified the statement as false.

I find it curious that both sources felt compelled to address this issue, but neither provided any explanation of what will actually be required to meet the challenge. Perhaps because no one yet knows the full extent of the necessary changes.

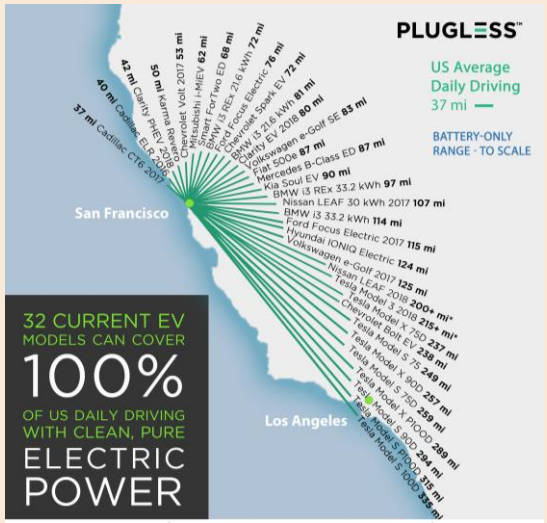
Range issues? What range issues?



The range issue isn't about short trips, or that most people don't drive very far in a typical day.

It's about being able to fully replace an internal combustion engine vehicle.

Until EVs – and the associated charging network – can make all trips easy, EVs will be relegated to second vehicle status.



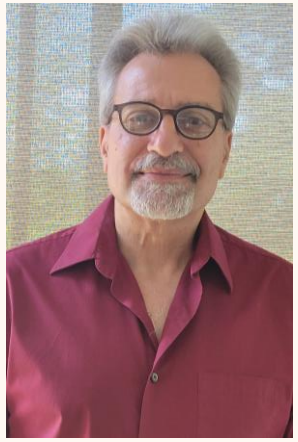
- Myth #6 on the EPA website: Electric vehicles don't have enough range to handle daily use in the U.S.

Another misleading portrayal of EVs. It is true that for most commuters, today's EVs have sufficient range to go to and from work, but that isn't the issue. Do most people own a car they use exclusively for work? For EVs to become viable primary vehicles they must accommodate longer trips without major inconveniences.

- The YouGov survey didn't include a statement on range - telling in its own right.

How can do conduct a valid survey on EVs without getting people's thoughts on range? The answer is: you know most people know the "correct" answer and it might not be supportive of the conclusion you were trying to reach.

E3
ENGAGE
EMPOWER
ENHANCE



Advising Greentech companies to help maximize growth

Unbiased and Unfiltered

- An honest assessment of the climate change effort.
- I cover what's working – but more important - the issues/roadblocks that the industry would prefer to ignore.
- A must-read for anyone with a desire to understand what's really going on with renewable energy and climate change.

If you find my posts informative, please follow and connect with me, and share these posts.

SHARE Follow OR Connect