



## What You've Not Been Told

06/06/23

The general media and political system in its haste to promote the E.V. market has left the consumer in the dark. Yes, we know there are not enough chargers, it takes hours to charge an EV, and both range and cost are concerns. If reduction in CO<sub>2</sub> is the goal, there are better options than just E.V.'s.

This comes directly from one of the major producers of cars, Chairman Akio Toyoda of Toyota Motor Corporation. He believes choice is the best option, and he also believes that there is a silent majority in the auto industry that believes this. (Maybe tax credits keep them silent.) His arithmetic is compelling and needs to be discussed and debated. This debate hasn't occurred (see WSJ editorial 6/5).

We know that plug-in electric hybrids are cheaper than E.V.'s and have a larger range. However, their contribution in reducing CO<sub>2</sub> has generally been ignored by the media and political system. He estimates that it would take more than 300 new lithium, cobalt, nickel and graphite mines to meet the E.V goals of 2035, a target that can't be met in that time frame. He doesn't mention copper, which would be an added bottleneck.

Importantly he goes on to point out that the material in one E.V. could be used to make 6 plug-in hybrids or 90 hybrids.

**The 90 hybrids over their life reduces co<sub>2</sub> by 37 times as a single E.V.** If this information is true, it needs to reach a broader audience.