Double Glaze Matters

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Alan Cuthbertson
alan@diydoubleglaze.com.au

Fight for Planet A

I have been watching the show on ABC TV and it has been very good. You can still catch it on IVIEW.

The section on greenhouse gas production from beef and sheep was most interesting. The emissions come from gut bacteria that produce methane. CSIRO have found a sea weed which added to the cows diet in small amounts kills the particular bacteria. Not only does it reduce the methane emissions, but also makes the cow grow faster. Bacteira that convert grass to ZCO2 are more beneficial than those creating methane, and the CO2 emissions are much less impact than Methane.

So, I find it difficult to give up red meat, but I can reduce it and increase chicken and pork. I may well try some kangaroo as well!

Araluen Solar Panels

Energy This Month = .9Mwh = $200

Total Energy =86 Mwh = $17,000

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Franciscus Henri's contribution

Fight for Planet A (cont)

Much of the stuff is not new, but Craig Reucassel has a very good way of showing it in a different light. The most thought provoking example was on deforestation in Australia. He had around 40 people each with a green umbrella. When they closed their umbrella it represented that area of deforestation in Australia. How often was that happening? Every second.

The other thing I liked was when he had a drag raise in a Tesla. He was pitted against the fastest production car in Australia, the Holden HSV GTR W1. It was being driven by the vice president of the Holden Soecial Vehicle owners club. His record for the quarter mile was 11.5 secs.

Craig had no experience in drag racing, but when the light flashed green he just floored the Tesla. Within the first 2 seconds he was well ahead. Finishing the quarter mile in 10.7 secs at a seed of 200 kmh.

It is not surprising that electric carts have so much power. A normal 10 kwh battery delivers around 10 kw. If you double the capacity of the of the battery, you also double the power. The main trouble is, can you deliver the power to the wheels?

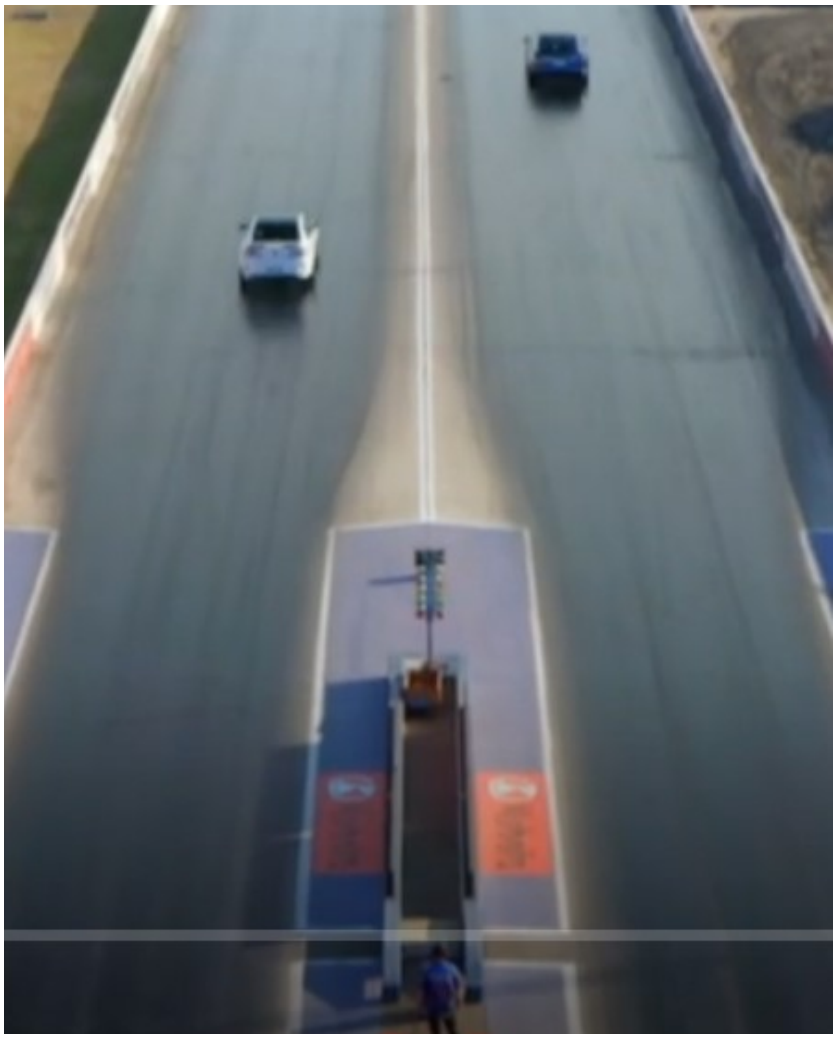
The Tesla has a motor on the front axle and another on the back. So the enormous power gets delivered evenly to all 4 wheels. That is why the Telsa S with a big battery has enormous power.

And that is why electric busses and electric trucks work so well. You need a lot of battery to give them a useful range, therefore there is a lot of power available. All you need is big electric motors to deliver the power to the wheels.

On the show they also showed an electric bus. It was most impressive. It has plenty of power to accelerate, it is super quiet, it doesn't emit diesel particulates and it runs all day, in part because of the regenerative breaking—when it has to stop, it stores the energy back in the battery. In fact 30% of its energy comes from regenerative breaking

The bus left the depot at 6:00 am and ran until 1:00 am the next morning—18 hours. An it still had 40% of the battery left, and enough time to recharge before the next morning.

I think electric busses are a no brainer. Similarly for electric garbage vans—they are travelling relatively slowly, they are stopping and starting a lot, and they are always in the same place for recharging each night. All we need is governments (and councils) to push for their introduction.



Tesla (on the right) leaving the Holden for dead