CARBON EMISSIONS

By Neville Barlow

Our Government has charged a group of 'experts' to find a way to reduce our carbon emissions. Why then does this group, champion electric cars? My research shows that over a 10 year period, driving the average 14,000 kilometres, the electric cars emissions are far greater than that of the petrol or diesel variety.

	2018 Jaguar XF	2018 Tesla Model S	
Emissions to manufacture	4 tonnes	17.5 tonnes	1)
Emissions for 10 years	28 tonnes	8.7 tonnes	2)
Emissions for new battery pack after 10 years		12 tonnes	3)
Disposal of used battery pack		8 tonnes	4)
Cost of new battery pack		$20,000	5)
Cost of replacing battery pack (packs weigh 500kgs)		$5,000	6)
Replacement battery for Jaguar	$400		7)
Tyres for 140,000 ks (3 sets) @ $500 each	$6,000	$7,800	8)
Petrol for Jaguar @ 5 litres per 100ks @ $2 per litre	$14,000		
Electricity for Tesla @ $50 per month		$6,000	9)
Total Emissions for 10 years	**32 tonnes**	**46.2 tonnes**	
Total cost for 10 years	**$20,400**	**$38,800**	

1) Taken from Federation of Motor Car Club's quarterly magazine.
2) USA data base- Carbon foot print .com/calculator. Also from Offering a Canadian leading provider of carbon arrangements. Similar stats.
3) Calculated by taking 12 tonnes away from 17.5 tonnes which leaves 5.5 tonnes for the rest of the car. I am being generous to the Tesla.

4) Some used battery packs could be used for storage but will eventually expire in a couple of years. My solution is to dispose of these battery packs is by burning. Thus the 8 tonnes. However a benefit of that process could produce an amount of useable electricity.

5) Elon Musk refuses to say how much a replacement battery pack will cost. I have had to go to several Tesla car clubs to get thoughts from member forums on possible costs. The average cost was thought to be between $15,000 to $18,000. To confirm this, an article in the magazine entitled "The Drive" written by Stef Schroder, on January 25th 2021 states the cost is nearly US$16,000. This price is backed up by an article in "Find My Electric" magazine on April 17th 2021 entitled Tesla Battery replacement cost explained where they say owners of Model S Tesla's needing a full replacement battery pack has cost up to US$20,000. They seem to think that it really should be some where near US$15,000. At today's exchange rate US$15,000 equals NZ$20,800, justifying my NZ$20,000

6) A quote from a New Zealand firm that sells Electric cars. They say it requires a full of body off reconstruction and 3 days labour.

7) My Jaguar XF first replacement battery was after 11 years.
Tyres for XF Jaguar 3 sets @ $500 each tyre. The Tesla produces 30% more wear because of greater torque therefore the extra cost.

9) Current owner of a Tesla S model told me it costs him $50.00 per month from his home charger.

Other costs which must be related to Electric cars include home chargers which I have seen quoted at $1,500. A local garage has recently installed a customer charger at the cost of $4,000. Roadside chargers also have to be paid for by someone.

It would seem from my figures that over a 10 year period the Electric car emits around 50% more carbon and nearly double the cost to run than the example of the Jaguar XF.

You will notice that I have not mentioned the other problems with electric cars, such as Range anxiety, overall greater purchase price, huge damaged to the environment in digging up Lithium, Cobalt and other elements plus the child slave labour adopted in some producer countries.

My contention is that if you want to save the planet, DO NOT BUY AN ELECTRIC CAR!

You tube videos that may be of interest. Unobtainium by Mark Mills

The Planet of Humans

Deep Resource - Hack for the Fossil Fuel Industry

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