

**From:** [Lorene Benoit, MHH](#)  
**To:** [CVRD; Council](#)  
**Cc:** [WestWard Independent News](#); [Times Colonist](#); [Nanaimo News Bulletin](#); [Vancouver Sun Editor](#)  
**Subject:** Is this what BC wants to achieve via supposed sustainable goalsI??  
**Date:** Saturday, August 3, 2024 9:29:00 AM

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This is info for a Tesla model Y battery. Please do your own research, then let us know if you agree, EVs are NOT "greener". Also please let us know if you find any research to say this is misinformation.

**This is critical to our local planning initiatives and overspending.** If these figures are even close to correct, then both CVRD and North Cowichan have been spending taxpayers' money to cause environmental damage; encourage human rights abuse, plus contribute to destruction of Canadian economy.

Both municipalities have spent hundreds of thousands of taxpayers' money buying electric vehicles. We appreciate that you may have been convinced that you made good decisions based on goals and financial bribes by ICLEI, but we appreciate an answer once you have done your own research. Can you please make these figures public, and respond to this valid concern?

The Tesla model Y battery takes up all of the space under the passenger compartment.

To manufacture it you need:

- 12 tons of rock for Lithium (can also be extracted from sea water)
- 5 tons of cobalt minerals (Most cobalt is made as a byproduct of processing copper and nickel ores. It is the most difficult and expensive material to obtain for a battery.)
- 3 tons nickel ore
- 12 tons of copper ore

You must move 250 tons of soil to obtain:

- 26.5 pounds of Lithium (from 12 tons of rock)
- 15 pounds of cobalt (from 5 tons)
- 30 pounds of nickel (from 3 tons)
- 48.5 pounds of manganese

To manufacture the battery also requires:

- 441 pounds of aluminum, steel and/or plastic

-- 112 pounds of graphite

The Caterpillar 994A is used to move the earth to obtain the minerals needed for this battery. The Caterpillar consumes 264 gallons of diesel in 12 hours.

The bulk of necessary minerals for manufacturing the batteries come from China or Africa. Much of the labor in Africa is done by children. When you buy an electric car, China profits most.

The 2021 Tesla Model Y OEM battery (the cheapest Tesla battery) is currently for sale on the Internet for \$4,999 not including shipping or installation. The battery weighs 1,000 pounds (you can imagine the shipping cost). The cost of Tesla batteries are:

Model 3 -- \$14,000+ (Car MSRP \$38,990)

Model Y -- \$5,000-\$5,500 (Car MSRP \$47,740)

Model S -- \$13,000-\$20,000 (Car MSRP \$74,990)

Model X -- \$13,000+ (Car MSRP \$79,990)

**It takes 7 years for an electric car to reach net-zero CO2.** The life expectancy of the battery is 10 years (average). Only in the last 3 years do you start to reduce your carbon footprint, but then the batteries must be replaced and you lose all gains made.

And finally, some additional points: I forgot to mention the amount of energy required to process the raw materials and the amount of energy used to haul these batteries to the U.S. sometimes back and forth a couple of times.

But by all means, get an electric car. Just don't sell me on how awesome you are for the environment. Or for human rights.

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