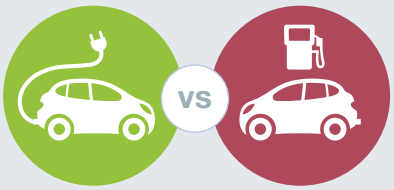
How do they stack up?



Electric vehicles vs petrol and diesel.

A lifecycle analysis using ISO methodology of the environmental impact of electric vehicles compared to internal combustion engine vehicles (petrol and diesel).

80% reduction in CO_2 emissions when in use in New Zealand

60% reduction in CO_2 emissions across lifecycle

Cumulative energy demand – EVs 40% less energy.

Particulate matter emissions (eg exhaust emissions, raw material refining) – EVs better and have no tailpipe emissions at all.

Photochemical oxidation (related to the formation of smog) – EVs 50% less photochemical matter.

Resource depletion – no significant difference.

Air acidification, human-toxicity and eco-toxicity – no significant difference.