

Submission to the Enquiry on transition to Electric Vehicles.

Re: the opportunities for fuel savings, such as by combining EVs with other consumer energy technologies and savings for outer suburban and regional motorists

Clearly the opportunity to combine solar panels with EV's for day-time charging will suit many retirees such as ourselves. Given only the loss of a 6c per kWh feed-in tariff makes running an EV virtually cost-free and saves us over \$1000 per annum in fuel costs.

However the majority of employees who do not work from home will be denied this opportunity, unless they can justify purchasing a home battery to temporarily store the solar energy until they charge the car. Such justification seems a long way off.

We live in a regional area and 90% of our travel is local, ie within 100kms, and uses the EV rather than our petrol car.

Re the impact on electricity consumption and demand:-

Terms of Reference incomplete, what about storage? With increasing numbers of EV's in Australia, all we need is some encouragement to innovation to deliver affordable V2G technology. With appropriate legislation and financial encouragement the storage available in EV batteries could easily and cheaply surpass Snowy Hydro 2. So owners are already financially encouraged, if they have solar panels, to charge from the sun during daylight hours. With the appropriate technology and legislation a portion of that electricity could be used to deliver peak demand in the evenings etc.

Re: the impact of Australia's limited EV supply compared to peer countries

All I have to say is that if Minister Bowen would deliver what he promised in terms of fuel efficiency standard legislation, perhaps we could more quickly see increased options available. Notably there are a reasonable number of utes and SUV's available elsewhere that we are currently not seeing here because of lobbying from Toyota and other laggards. Please lets get this legislation passed, is it not embarrassing that the only other major economy without legislation is Russia!!! Even the USA has saved its motorists many millions of dollars since the introduction of its legislation. Why are Australian motorists still paying Minister Bowen??