

**Submission  
No 6**

**ELECTRIC BUSES IN REGIONAL AND METROPOLITAN PUBLIC  
TRANSPORT NETWORKS IN NSW**

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NSW's move to electric buses is long overdue.

Based on my visit to the Leichhardt Depot and catching Electric Buses which are currently being trialled is Electric buses will improve the experience of waiting at bus stops because they don't belch out fumes, heat and noise. I understand maintenance and operational requirements for electric vehicles are much less than gas or diesel buses. The buses also used only a little of their battery capacity and recharged in much less time than anticipated. The cost of the electricity was also much less <https://perambuler.ramin.com.au/2019/07/checking-out-electric-buses-at.html>

On the bus itself, it isn't silent – the fittings rattled and the ride was bumpy. I understand that this can be addressed by adjusting the suspension as well as maintaining the road surface.

The optimal amount of batteries, weight of the bus, comfort also needs some modelling – but I expect issues such as this have been addressed overseas .

Access on and off all buses needs to be improved so that carers with prams, disable in wheelchairs, people on crutches, shoppers with trolleys and travellers with luggage can get on and off safely.

Shelter, shade and seating needs to be provided at Bus Stops. There needs to be good view of approaching buses and clear where they will stop.

Care should be taken about the location of bus stops to ensure buses do not block pedestrian crossing, while also providing convenient places for passengers to cross.

Infrastructure needs to be provided to charge buses, perhaps outside Depots and layovers are needed to change drivers, perhaps with charging facilities and access to amenities.

More points to purchase and top up Opal cards need to be available near bus stops.

Electric Buses could be coupled with local WindTurbines/PV/batteries for charging to become 100% Renewable and resilient.