



28 November 2025

Committee Chair, Ms G Purcell MLC
Economy and Infrastructure Committee
Legislative Council
Parliament of Victoria
Melbourne VIC 3000

Dear Chair and Committee Members,

Re: Unlocking Fast Charging for Victorian Motorists and businesses.

Thank you for the opportunity to contribute to the Inquiry into Electricity Supply for Electric Vehicles. This submission sets out a technically grounded, commercially viable pathway to unlock fast-charging infrastructure across Victoria by integrating high-power lithium-titanate oxide (LTO) battery buffer systems into the state's energy and transport planning framework.

Our evidence shows that LTO buffers can deliver ultra-fast charging-150 to 350 kW and beyond-even where distribution-network capacity is limited. By charging slowly ("trickle charging") during off-peak or renewable-abundant periods and discharging rapidly when vehicles connect, these systems decouple instantaneous charger demand from grid supply. They enable equitable regional coverage, improve renewable utilisation and defer costly network upgrades that currently delay or prevent project delivery.

Our recommendations align with the Committee's objectives: reducing peak demand, supporting regional infrastructure rollout, facilitating local manufacturing and strengthening system reliability. In fact, we doubt that this Committee will find another solution that will enable such an economically efficient rollout of high-speed EV charging to unlock Victoria's roads to zero emissions vehicles.

I would welcome the opportunity to appear before the Committee to discuss implementation pathways and the contribution Victoria could make to the development of our national battery-industry.

Yours sincerely,



David Van

Head of Strategy



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