

Committee Secretary  
Department of the Senate  
Parliament House

JOLT

Submitted by email: [electricvehicles.sen@aph.gov.au](mailto:electricvehicles.sen@aph.gov.au)

10 August 2018

Dear Sir/Madam,

### **Submission to Senate Select Committee on Electric Vehicles**

Thank you for the opportunity to make a submission to the Senate Select Committee on Electric Vehicles.

Australia lags behind a large number of both regional and global markets in the adoption of Electric Vehicles (EVs). JOLT believes there is potential for Australia to become a global-leader in the adoption of EVs; powered by renewable energy.

JOLT suggests that governments at Local, State and Federal level considers:

- Charging infrastructure policies for public on street EV charging.
- Demand side incentives for EVs, such as reduced luxury car tax and discounted registration costs.
- Encourage public private partnerships for the long-term development of charging infrastructure.

#### **About JOLT**

JOLT's goal is to reduce the barriers of EV ownership, and aid the growth of future smart cities through free, large-scale decentralised charging infrastructure.

JOLT is building a substantial metro network of EV charge points on streets and in public carparks, providing free charging for users, and free installation for cities, funded by the billion dollar digital out-of-home advertising market.

Building a premium digital outdoor advertising network, JOLT will sell desirable audiences programmatically to brand partners. A rich data-led trading platform will allow advertisers to engage with relevant audiences at the right place, at the right time.

Progressing swiftly to wireless charging infrastructure, JOLT will not only service regular driver EVs, but also autonomous vehicles through decentralised charging on street.

Good for drivers, good for governments, good for the environment.

## Background and Context

Charging infrastructure expenditure is estimated by the *Electric Vehicle Council of Australia* is expected to reach \$3.2 billion by 2030. The strategy further notes that cost parity of EVs with internal combustion engine (petroleum) vehicles could be achieved by 2025. This would likely have a significant impact on the increased popularity of EVs as the capital outlay for a comparable car would be no greater.

## Benefits of electric vehicles

The OECD found that emissions from the use of internal combustion engine cars is likely to cause around 1,400 deaths in Australia every year, exceeding the annual road toll of approximately 1,200 fatalities<sup>1</sup>.

Driving an electric vehicle is near silent, so traffic noise is significantly reduced with increased EVs on the roads. Traffic noise, air pollution and road vibrations all reduce the value of urban amenity, especially in major transport corridors. Reducing these factors from car traffic through increased adoption of electric vehicles would contribute to increased urban liveability and amenity, and enable more intensification around busy transport corridors (especially when complemented with investment in public transport and other public facilities).<sup>2</sup>

## Benefits of on street electric vehicle charging

Of motorists surveyed by *Electric Vehicle Council of Australia* in 2018, the 3 largest barriers to EV ownership were access to charging infrastructure (65%) purchase cost (61%) and anxiety of the distance an EV can travel (59%).

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<sup>1</sup> OECD The Cost of Air Pollution: Health Impacts of Road Transport, 2014

<sup>2</sup> *Beyond Zero May 2017*

With the provision of city-wide fast charging infrastructure, motorists can charge their car from 0-80% within 30mins, increasing the freedom of travel throughout Sydney. With the benefit of advertising the cost of car ownership is reduced significantly.

## Conclusion

Electric vehicles will dramatically increase the amenity within our major cities and population centres. With government support for EV purchase, on street charging and public private partnerships we will realise the full benefit of decentralised charging and autonomous electric vehicles.

Thank you for considering JOLT's submission. Please get in contact if you require further information or would like to discuss any part of this submission.

Kind Regards,

**Doug McNamee**

Partnerships Director

JOLT