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EECA and Electricity Authority

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### **Consultation Paper – 2016/17 appropriations**

Many thanks for the opportunity to make a submission on EECA's work programme funded through the electricity levy.

This submission is made on behalf of Drive Electric (DE). DE is the industry association representing the electric vehicle industry. We promote the uptake of electric vehicles in New Zealand to enable New Zealanders to recognise the economic, environmental and health benefits associated with EV uptake.

Both globally and in New Zealand EV uptake is exponential. The shape of the uptake curve is remarkably similar between developing countries. The key difference is the start date – by that I mean the year in which there was a national focus on EV uptake. New Zealand has just begun to focus on EV. Based on the uptake curves from other developed countries by 2020 we expect New Zealand to have around 20,000 EV. By mid 2025 numbers could be around 100,000.

EVs will create a significant new electricity load – as much as one third of a household's annual electricity use. Changing from fossil fuels (petrol/diesel) to electricity in the transport sector has the potential to impact on the electricity system, both positively and negatively. DE strongly supports the levy being used to fund opportunities around EV. In particular we support a focus (as outlined in the consultation document) on "infrastructure and systems ... to ensure electric vehicles can play an important role in New Zealand's future energy efficiency, and can maximise use of electricity network capacity".



Given the likely rapid future uptake of EV in New Zealand, we strongly support EECA developing a business case around the levy being used to fund work on ways to ensure EV will play an important role in New Zealand's energy future.

Once again, many thanks for the opportunity to make a submission.

Yours sincerely

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