



PLUG 'N DRIVE

EV Batteries Value Prop

November 2024





EV Batteries Value Proposition for Ontario's Electricity Grid and EV Owners



BASED ON THE WORK
OF





- **Mobile Storage and Second-Life Battery Use**
- **Value to EV Owners and Workplaces**
- **Electricity System Impacts**
- **Value to the Electricity System**

- Ontario's electricity sector could realize up to **\$129 million** in benefits per year
- More efficient use of surplus baseload generation, reduce system costs
- Each EV is potentially worth **\$38,000** during its lifetime



plugndrive.ca/publications



Thank you to the funder of this research!



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Ontario's Electricity Grid and EV Owners**
A Preliminary Cost and Benefit Assessment | Full Report
July 2020