

Ensuring the Conditions for Electric Vehicle Readiness and Uptake – EV Readiness in New Developments

Gabriella Kalapos, Executive Director, Clean Air Partnership



Land Acknowledgements

- We are thankful to be able to join you from the traditional lands of the Mississaugas of the Credit, the Anishinaabe, the Haudenosaunee and the Wendat.
- Dish with One Spoon Otgó'ä/Wampum
- Traditional contracts, truth teller, before European contact
- all participants in the agreement [or treaty] had the responsibility to ensure that the dish would never be empty by taking care of the land and all of the living beings on it."
- We all rely on one dish, and the spoon because it is a carrier of substance but cannot be used as a weapon (like a fork and knife could)



About Clean Air Partnership

- Charitable Environmental Organization
- Works with municipal governments and partners to reduce GHGs and air pollution, increase resiliency to extreme weather and make advancements towards a low carbon economy.
- Outreach, Awareness Building & Collaboration
- Capacity Building and Implementation Support
- Transfer of Actions & Scale Up of Actions



Electric Vehicle Charging in OBC

- EV charging requirements were in the Ontario Building Code (OBC). For Part 9 and Commercial Buildings. Not for MURB sector.
- Then removed from OBC.
- Municipalities are trying to figure out what they could do to ensure their communities do not fall too far behind on EV readiness and uptake.



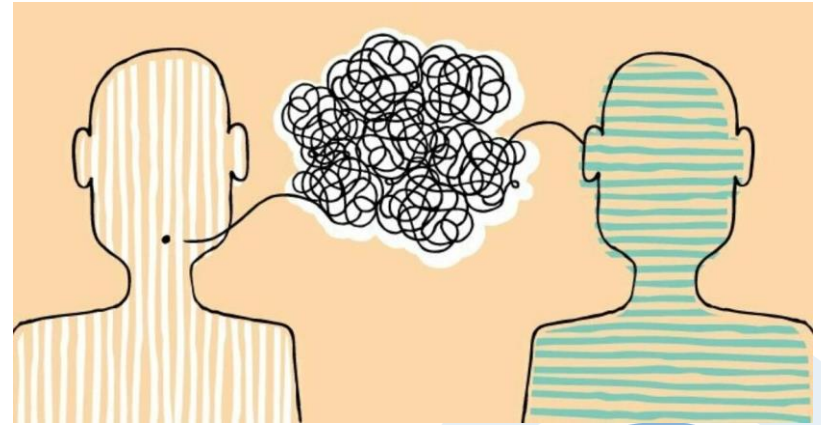
Concerns RE EV Charging in OBC

- Energy sharing wasn't part of OBC
- Neither was load management
- Increases in electricity allocation (from 100 to 200 amps) in Part 9
- Commercial entities, knowing which chargers to use
- What the future EV charging world will look like



Initial Consultations with Stakeholders

- **Municipalities:** what guidance would need to be provided? What mechanisms can be used to secure EV Ready requirements? Pros and cons of mechanisms? What does it cost?
- **Developers:** What does it cost? What will it mean for electricity allocation? How will it impact electricity deposit if there is one required?
- **Utilities:** How can we know where EV charging is getting installed? What will it mean to electricity use and when will charging occur? How can we future proof for vehicle to grid readiness?



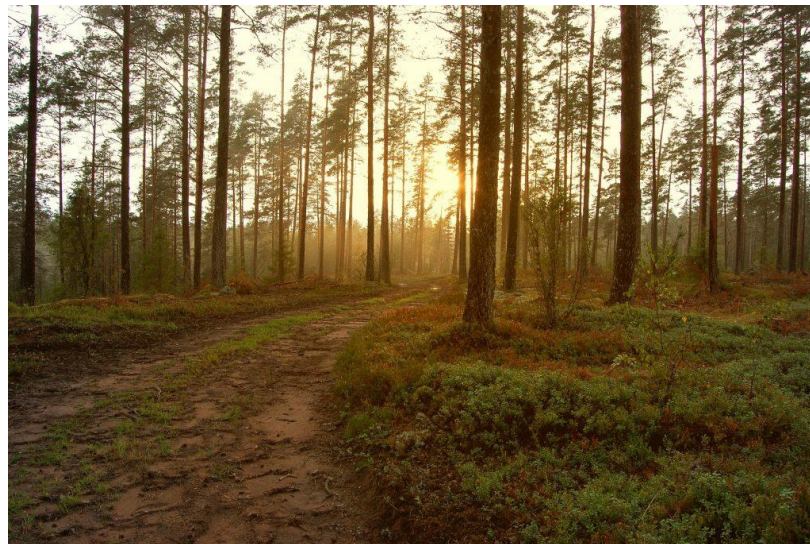
Ontario EV Costing Study

- Comparison of EV charging costs at time of construction versus retrofitting post construction
- AES Engineering who has done EV costing studies in BC
- EV energy sharing opportunities in GTHA
- Different circumstances in Ontario
- Updated costs



Next Steps

- Thank you for all your questions and input
- Moving to EVs critical to our climate solutions and commitments
- We are all in this together
- Share this webinar & reports with others please



Thank You for Your Time

- Contact information: Gabriella Kalapos
- gkalapos@cleanairpartnership.org

