Get on the EV charging map: A regional approach for economic and tourism development

Ontario Smart Mobility Readiness Forum

November 2, 2023
Our Work

CEA helps communities with:

**INITIATION**
- Program design
- Grants
- Regional collaborations

**MANAGEMENT**
- Manage advisory committees
- RFPs/Vendor selection
- Contract negotiation & mgmt
- Deployment management
- Financial admin & reporting

**COMMUNICATIONS**
- Program branding, marketing & promotion
- Video production
- Digital communications

CEA has expertise in:

**TRANSPORTATION**

**BUILDINGS**

**WASTE**
CEA’s people work to accelerate bold action by local governments and Indigenous communities related to energy and climate.
Rural Recharge

- Six counties: Wellington, Bruce, Grey, Dufferin, Huron, Perth
- Over a dozen municipalities
- Build a baseline EV charger network
  - ~20 ish L3 sites
  - 10 or more L2 sites (min. of 4 charging ports per location)
EV Network Strategy

- Lack of charging infrastructure
- Inhibiting tourism to the region and local adoption of EVs
- Collaboration is key

By The Numbers

- $2.16 Million Total cash investment
- >1,400 kms Highway connected for EV travel
- 27% Increase in uses from Q4 2019 to Q1 2020
- 12,025 kWh Total energy consumed (June-Dec. 2019)
- 4,999 Litres Gasoline avoided
- >1,000 Number of people engaged at 16 events throughout the region
- 137 Number of unique users of the Canmore station in the first 3 months of operation
- 11,500 kg CO₂e GHG emissions avoided (June-Dec. 2019)
EV Network Strategy Development

- Current state analysis
- Surveys
  - EV Drivers & Residents
- Future scenario modelling
- Siting criteria
- Options for implementation
  - Owner/operator models
  - Funding streams

Siting Criteria

- Dedicated parking stall while charging
- Accessibility
- Desirable place to stop: safety & lighting
- For Project (Technical & Co-Benefits)
  - contributes to overall network
  - Future proofing: adding stations, accommodating car share growth
  - Walkability to amenities
  - Available power source
  - Visibility to motorists & pedestrians
  - Signage & branding for high visibility
  - Appropriate ownership
Getting to implementation

• Getting started is the hardest part

• First steps require a significant time and effort investment
Collaboration is Key

A municipal perspective on the co-benefits of this approach to a regional EV network...

- **Derry Wallis**
  - Climate Change and Energy Specialist, Huron County

- **Hannah Cann**
  - Resiliency and Stewardship Coordinator, Perth County
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Questions and Thank you

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