



Ivy Charging Network

Outline

- Intro to Ivy Charging Network
 - Overview of our turnkey charging solutions
 - Natural Resources Canada funding
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- The slide features several thick yellow lines that create a modern, abstract background. One line runs vertically from the top center, curves to the right, and then continues horizontally across the top right. Another line runs horizontally from the left edge, curves downwards, and then continues vertically at the bottom. A third line runs diagonally from the bottom left towards the center, intersecting the other two.



Ivy is on pace to
become one of **Ontario's**
largest, most-connected
electric vehicle charging
networks

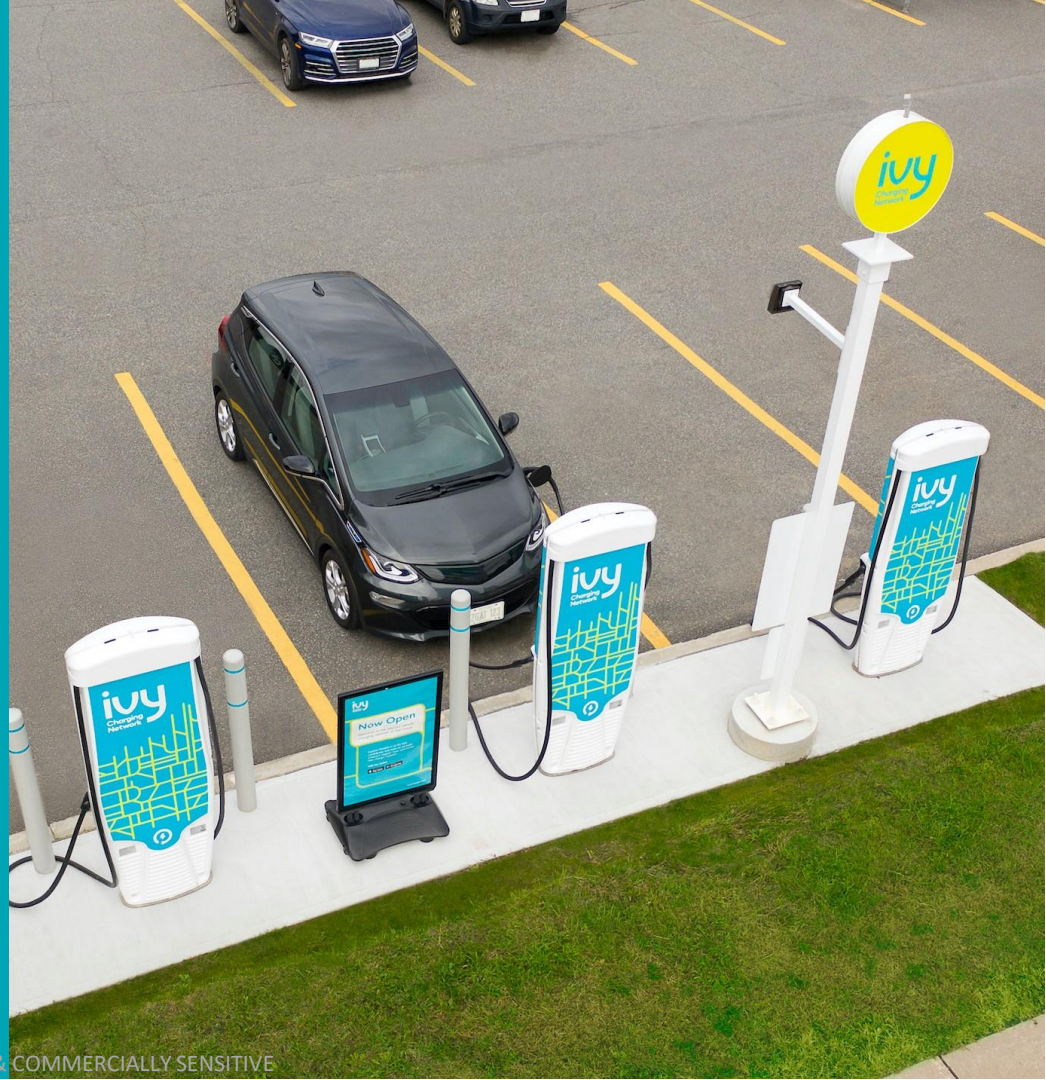


Our mission is to
enable the electric
revolution right here in
Ontario by providing
simple, intuitive, and
reliable electric
vehicle charging
infrastructure solutions



Ideal project leader to build & operate a region-wide charging network:

Founded by two of Ontario's largest clean energy leaders, **OPG & Hydro One**, Ivy is uniquely positioned to seamlessly install and operate EV infrastructure



Ivy is the official fast-charging network of ONroute



We build powerful partnerships with leading brands



Tim Hortons



KELSEYS
original
ROADHOUSE



Our public charging networks

Proposed for Elliot Lake site



- Soon to be **Ontario's largest**, most connected **EV fast-charging network**
- **60 locations** with **over 150** fast-chargers by the end of 2022
- Charging speeds ranging from **50 kW – 150 kW**



- **One of Ontario's fastest growing** level 2 destination charging networks
- Partnerships with **municipalities** across the province, including **Aurora**, **Newmarket**, **Halton Hills**, and **Carleton Place**

What sets us apart?

1

Reliability from Grid to Vehicle

Parent companies OPG and Hydro One provide **electrical grid know-how** and project expertise allowing us to maintain reliability, safety and sustainability goals.

2

Hardware Flexibility

We provide **multiple hardware options** at each level of power. Our network is **OCPP compliant** making technology roll-out more seamless.

3

Strong Presence and Growth

Growing physical presence and growing mindshare through our **ONroute** sites.
On track to be the **largest DCFC network in Ontario** and currently the fastest growing level 2 network.

4

100% renewable energy powered

Ivy is the only charging network in Ontario to be powered by 100% renewable electricity, helping our partners get one step closer to reaching their ESG and climate goals.

5

A solution for all EVs

We are one of the only EV charging solution providers who can serve all EV drivers, including Tesla.



Our charging solutions



Our Charging-as-a-Service Offering

Ivy is able to take on the majority of a charging project and its ongoing operations/maintenance. For a low monthly cost.

Services Included	Value Proposition
 Equipment • Leading edge L2 & L3 EV Chargers	✓ No upfront costs (optional)
 End-to-end Deployment • Site Planning & Design • Procurement • Project Mgmt & Installation	✓ Hassle-free experience where Ivy handles installation, maintenance and operations ✓ Long-term financial growth as EV adoption increases and utilization grows
 Operations & Maintenance • Remote monitoring of chargers • Quick maintenance (replace/repair) • Driver support incl. 24/7 call centre • Customer billing & settlement • Energy usage reports	✓ No technology risk i.e. EV charger that declines in value or may require replacement over time ✓ Connects your locations to Ivy's wider network of EV chargers to drive utilization

Our Charging Solutions



Level 2 (AC Charger)



Level 3 (DC “Fast” Charger)

Charging Speed

7 kW

50 – 150 kW

Use Case

Customers parking for longer duration (60+ min)

Customers parking for short duration (<45 min) willing to pay more for quick charge

Site Host Benefits

- 1 Alignment with sustainability practices
- 2 Additional foot traffic: and additional spend from dwell time
- 3 Visibility: Attract new customers in our network – of all EV makes/models

Natural Resources Canada funding overview

- Through our Charging-as-a-Service offering, Ivy applies on a given site's behalf.
- The savings arising from NR Can funding are passed through directly to the site in the form of lower monthly payments



Funding Summary

NRCan's contribution through this Program will be limited to a maximum of **five million dollars (\$5,000,000)** per Project.

Infrastructure Type	Output	Maximum Funding
Level 2 connector	3.3 to 19.2 kW	Up to 50% of total project costs, to a maximum of \$5,000 per connector*
Fast Charger	20 to 49 kW	Up to 50% of total project costs, to a maximum of \$15,000 per charger
Fast Charger	50 to 99 kW	Up to 50% of total project costs, to a maximum of \$50,000 per charger
Fast Charger	100 to 199 kW	Up to 50% of total project costs, to a maximum of \$75,000 per charger
Fast Charger	200+ kW	Up to 50% of total project costs, to a maximum of \$100,000 per charger

* To calculate the funding for level 2 chargers, each connector can count as a unit towards the minimum of 20 chargers if each connector can charge a vehicle at the same time.

Stacking of Assistance

Total funding from all levels of government (e.g. federal, provincial/territorial and/or municipal) **cannot exceed 75%** of the Total Project Costs, unless the Proponent is an Indigenous business or community, a not for profit organization, a provincial, territorial or municipal government or their departments or agencies, in which case the stacking limit is **100% of Project costs**.

Application and Project Timelines

Process Step	Timing
NRCan initiates request for proposals	May 5, 2022
Submission deadline	August 11, 2022
Assessment of proposals	August – October 2022
Funding decisions, letters of conditional approval (LOCA) and letters of regret	October 2022
Initiate negotiation and signature of Contribution Agreements (CA)	Contribution Agreements (CA) must be signed by January 2023
Project completion date for EV chargers	Assuming signing of the CA must be done by January 2023, the project timeline must show completion within 30 months* of CA signature.

*As COVID-19 continues to cause supply chain disruptions and operational restrictions, the Program is allowing up to an additional 12 months to complete projects.

Eligible and Ineligible Expenditures

Eligible Expenditures	Ineligible Expenditures
Salary and benefits	In-kind
Professional services (e.g. scientific, technical, management; contracting; engineering; construction; installation, testing and commissioning of equipment; training; marketing; data collection; logistics; maintenance; printing; distribution);	Land costs
Reasonable travel costs, including transportation, meals and accommodation	Legal costs
Capital expenses, including informatics and other equipment or infrastructure	Ongoing operating costs (e.g. electricity consumption, operation, maintenance, networking fees, subscription fees, etc.),
Rental fees or leasing costs	Costs incurred outside the Eligible Expenditure Period, including those for preparing this application.
License fees and permits	
Costs associated with Environmental Assessments	
GST, PST and HST net of any tax rebate to which the recipient is entitled; and	
Overhead expenses directly related to the Project will be considered to a maximum of 15% of Eligible Expenditures	



Thank you

ivy
Charging
Network