



APRIL 1, 2022

## Ontario Greens' made-in-Ontario EV supply chain strategy

### BACKGROUND:

Transportation is [Ontario's largest source of climate pollution](#). To crush climate pollution, Ontario needs a real plan to decrease the use of fossil fuel vehicles and rapidly move towards low carbon transportation options, including electric cars, buses, bikes and other vehicles (EVs).

With the right investments and vision, we can make these vehicles right here in Ontario and make the province a global leader in the new climate economy.

Ontario has many competitive advantages in building a strong EV supply chain: in mining, innovation, financing and auto manufacturing and parts, along with a strong workforce.

Ontario Greens will build on these existing strengths to grow good, green jobs and businesses in the province through a **made-in-Ontario EV supply chain**.

This leading mining to manufacturing supply chain will be achieved through the following 5 key steps:

#### **1) Increase demand for low-emission vehicles**

- Make the upfront cost of EVs less expensive than fossil fuel vehicles, with cash incentives of up to \$10,000 for buying a fully electric vehicle and \$1,000 for an e-bike
- Make low-cost financing for EVs and e-bikes readily available so most Ontarians can benefit from the lower total cost of ownership that EVs provide
- Adopt a zero-emission vehicle mandate to ensure that a wide range of EVs are available for purchase in Ontario
- Significantly expanding charging infrastructure in both public and private settings, including parking lots, transit stations, highway rest stops and homes
- Phase out the sale of new fossil fuel passenger vehicles by 2030
- Use public procurement to support strong local markets

#### **2) Build a skilled, diverse workforce**

Ontario's workforce is ideally placed to deliver an EV supply chain, with local expertise in mining, logistics, finance, IT, manufacturing, sales and more. Ontario Greens will:

- Bring 60,000 diverse, young people into the green workforce through:
  - Targeted recruitment of underrepresented groups such as women, Indigenous people, and racialized communities,
  - One year of free green career tuition at Ontario community colleges
  - One year of paid, on-the-job apprenticeships.
- Develop standards and certifications for green careers, e.g. Electric Vehicle Mechanic
- Make training subsidies available for small businesses to upskill employees

### **3) Increase sustainable, circular and Indigenous-led access to critical minerals and metals**, through:

- Respectful recognition and support of Indigenous climate leadership, and Indigenous protected and conserved areas, including amending the Mining Act to comply with UNDRIP, the United Nations Declaration on the Rights of Indigenous Peoples,
- Improvements in water protection and better enforcement of the polluter pay principle will keep pollution out of lakes and rivers, so that mines become better neighbours, and
- Minimizing the need for mining by fostering zero waste and a circular economy that keeps valuable resources in active use.

### **4) Unlock low carbon inputs for EVs**

- [Double Ontario's electricity supply](#) and eliminate fossil-fuelled generation as soon as practicable, including eliminating fossil gas by 2030.
- Our policies that [support clean materials and products](#), will make low-carbon steel, plastic, carbon black and other necessary inputs available to build a low-carbon EV supply chain

### **5) Scale up EV innovation and production**

- Grants from the \$5 billion EV Mobility and green technology innovation fund, coupled with loans from the \$4 billion Climate Bank, will support rapid growth of Ontario's EV supply chain companies
- Improve local EV businesses' access to capital by accelerating financial markets' transition to cleaner, greener investments
- Support cutting edge research, innovation hubs and centres of excellence, including re-establishing the Ontario Centres of Excellence's grant and matching program.

### **By the numbers:**

To make this made-in-Ontario EV supply chain strategy a reality, Ontario Greens will invest:

- \$1 billion over 4 years to scale up demand, including:
  - Transition Ontario government fleet to low-carbon

- Expand EV infrastructure - public charging and assistance for private charging
- \$5 billion over 4 years for EV and green tech innovation fund
- \$1.7B over 4 years to cover tuition for 60,000 students for one year of college, and one year of guaranteed work
- \$4 billion to capitalize the Climate Bank

Please see our full plan at [gpo.ca/climate](https://gpo.ca/climate) for a detailed costing and funding breakdown.

embargoed