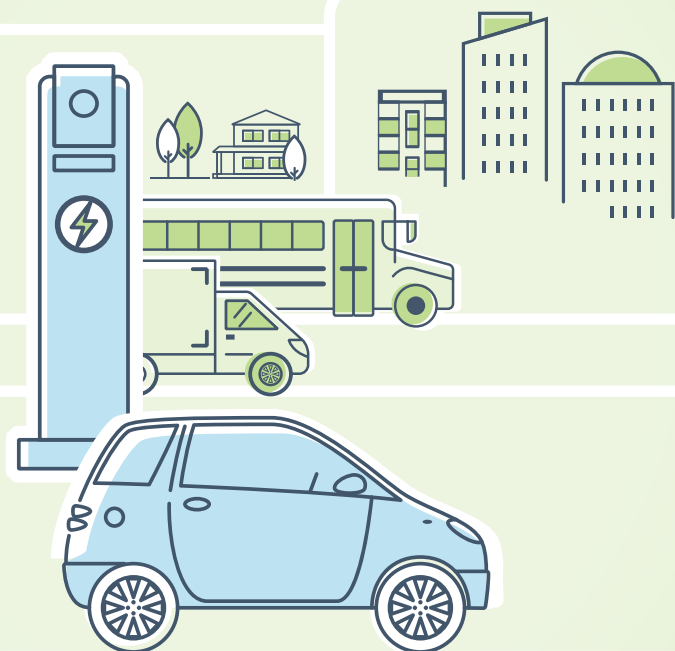




## 2023-2030 QUÉBEC'S ELECTRIC VEHICLE CHARGING STRATEGY

### On the road to an electric future



#### 2030 Vision

By 2030, Québec will have one of the most reliable charging infrastructures in North America. The network will be structured, easy to use and meet the needs of all users throughout the territory, thereby helping to achieve transportation electrification objectives in an integrated manner, with a long-term perspective.



### On the road to an electric future

The targets adopted by the Québec government are ambitious. It is important to exercise unifying leadership to provide charging solutions that take into account all the needs of electric vehicle drivers (EV drivers). The Strategy aims to deploy adequate charging infrastructure to keep pace with the accelerated use of electric vehicles throughout Québec. To achieve this, the Québec government is adopting a rolling plan that counts on the active participation of Québec companies in this booming sector, municipalities and Hydro-Québec.

### Targets adapted to Québec's context

- By 2030, 35% of parking spaces in multiple dwelling buildings will be adapted to allow the installation of charging stations, constituting 600,000 parking spaces.
- By 2030, Québec will have a total of 6,700 public fast-charging stations and 110,000 Level 2 public charging stations.

### Major investments for Québec's green economy

- \$514M will be invested over the 2023-2028 period to implement the Strategy's measures.
- The measures will be financed by the Electrification and Climate Change Fund (ECCF).

## One approach, three focus areas

The Strategy proposes a structured and coherent plan that will address the main challenges posed by the massive electrification of vehicles. The approach adopted is based on three main focus areas that will form the basis of the government's charging initiatives.

**1. DEPLOYMENT OF CHARGING INFRASTRUCTURE:** Charging infrastructure in Québec will have to meet the needs of all users throughout the territory. Measures to support the deployment will be in the form of financial assistance programs, pilot projects and innovation projects.

**2. SUPPORT FOR THE BUSINESS ENVIRONMENT:** Opportunities for business and new marketing and innovation niches will be increased. Measures to create a favourable business environment will build on awareness, training, knowledge acquisition, regulations and collaboration with key players.

**3. GOVERNANCE:** Since the issues pertaining to charging are numerous and interrelated, the initiatives to be implemented will need to be orchestrated, and compliance with the measures will need to be assessed on a recurring basis. To ensure the efficient, coordinated and integrated development of charging in Québec, three players will have a key role in the deployment of charging infrastructure: the Government of Québec, Hydro-Québec and municipalities.



## Key measures to address major challenges



## FOCUS AREA 1

### DEPLOYMENT OF CHARGING INFRASTRUCTURE

- ▶ Implement a new financial assistance offer for the upgrade of electrical infrastructure in existing multiple dwelling buildings with five or more dwellings
- ▶ Introduce a pilot project for “charging orphans<sup>1</sup>”
- ▶ Accelerate the deployment of public direct current charging stations (DCS) and Level 2 charging stations
- ▶ Accelerate the implementation of public charging infrastructure for heavy transport along major highways
- ▶ Support the deployment of charging stations in the tourism sector

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1. Charging orphans: EV drivers without access to charging at their place of residence.



## FOCUS AREA 2

### BUSINESS ENVIRONMENT

- Develop legal and regulatory tools to accelerate and oversee the deployment of charging stations
- Participate in the development of a standard to regulate the safe, sustainable and coordinated deployment of public charging stations

## FOCUS AREA 3

### GOVERNANCE

- Ensure efficient and coordinated deployment of charging infrastructures

### A Strategy based on solid foundations

- It places users at the heart of its actions.
- It takes into account labour issues, technological evolution and optimal energy management.
- It is structured and coordinated, with a long-term perspective.
- It is a rolling strategy and the measures it proposes will be updated as part of the Implementation Plans (IPs) of the 2030 Plan for a Green Economy.
- It encourages innovation and stimulates employment.
- It utilizes the talent and skills of local businesses.
- It pays particular attention to charging orphans.
- It is the result of a rigorous analysis and modelling approach.
- It establishes clearly defined roles for key government players.