



# **ELECTRIC MOBILITY CANADA**

ACCELERATING ELECTRIC  
TRANSPORTATION

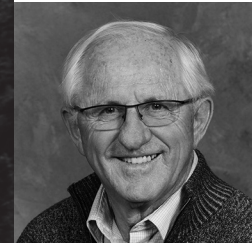
# **2019**

ANNUAL REPORT

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## 2019 A POINT OF NO RETURN ON THE ROAD TO THE ELECTRIFICATION OF TRANSPORTATION A MESSAGE FROM THE INTERIM PRESIDENT AND CEO



For the first few years after I founded Electric Mobility Canada in 2005 with my colleague Pierre Lavalée of Saint-Jérôme, Québec, most of the EVs on the road were cars converted from gasoline powered engines to electric drive by enthusiasts working mostly out of their home garages as well as a few models of low speed electric vehicles allowed only on certain roads by a few jurisdictions. We have come a long way since then. We ended 2019 with virtually every automobile manufacturer offering a wide variety of plug-in hybrids (PHEVs) and battery electric vehicles (BEVs). Canada joined many other developed nations in adopting target years by which all new light-duty vehicles sold should be electric. On-air commercials for EVs are used and media continually reports on advancements in EV technology and sales. EVs are becoming popular topics of discussion and with nearly 150,000 on Canadian roads, they are starting to become common place along with public charging stations in malls and along major highways.

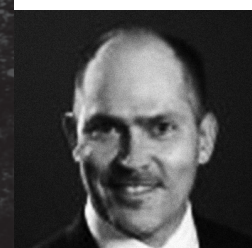
Electric Mobility Canada grew along with EV sales and our annual conferences have become accepted as the 'place to be' to get up to speed on latest technologies and research and to network with colleagues from across Canada and beyond. Our 2019 conference in Quebec City drew a record attendance and speakers.

On the advocacy front, EMC is often consulted by senior government and elected officials. As an organization, EMC collaborates with many like-minded groups in projects, advocacy drives and public education. EVs have become the most readily available technology to reduce greenhouse gas emissions from transport.

The year 2019 also saw new electric drive models in commercial and off-road vehicles as well as a commuter airplane. I think I can safely say that EVs are here to stay and grow. I am pleased to have played a small part in the evolution and to serve as an Interim CEO during 2019 when the board searched for a new CEO. I am grateful for the support received from the membership and the elected board of directors.

**Al Cormier, CAE**  
Interim President and CEO  
Electric Mobility Canada

## THE ELECTRIFICATION OF TRANSPORT IS ON A ROLL A MESSAGE FROM OUR CHAIR



After several years as a member of the EMC Board of Directors, I gladly accepted my nomination as Chair at the first board meeting after 2019 Annual General Meeting. I am grateful to my board colleagues for their confidence and have appreciated their enthusiastic participation in directing the affairs of EMC.

It was a difficult year administratively with EMC being without a President and CEO early in the year and again near year end. I am grateful that Al Cormier came out of retirement to assist in these difficult times. Despite these difficulties, our membership continued to grow. Much of that can be attributed to my board colleagues who chaired committees, attended many meetings and generally provided sound advice with a constant eye on the EMC mission 'to strategically accelerate the transition to electric mobility across Canada.'

On the advocacy front, we made significant progress at the federal government level with the first ever financial incentive to EV buyers across Canada

announced in the March 2019 budget. This boosted sales significantly across Canada. We are hopeful that the March 2020 federal budget will not only continue these national incentives but also add programs needed to expand EVs in medium and heavy-duty trucks, buses as well as several modes of off-road vehicles, as recommended by EMC.

On behalf of the Board of Directors, I wish to express my sincere appreciation to the members and staff for their active support.

**Dan Guatto**  
Chief Operating Officer  
Burlington Hydro  
Chair of Electric Mobility Canada

# ABOUT ELECTRIC MOBILITY CANADA

Electric Mobility Canada is the only national association dedicated exclusively to the electrification of all modes of transportation and represents this growing industry.

## OUR VISION

Electric Mobility is the preferred choice across all Canadian provinces and territories.

## OUR MISSION

To strategically accelerate the transition to electric mobility across Canada.

## ELECTRIC MOBILITY CANADA'S MEMBERSHIP IN NUMBERS

**192**

Members in 8 provinces

### INCLUDING:

**62**

Industry Members

**14**

Energy Providers

**13**

Fleet Managers

**14**

New Members in 2019

**56**

Academics and  
Not-for-Profit Organizations

**36**

Supporters Including EV Societies

# LIST OF EMC BOARD MEMBERS

## Executive Committee

Chair – Dan Guatto, Burlington Hydro

Secretary – Travis Allan, Add nergie Technologies / Flo

Treasurer – Suzanne Goldberg, Chargepoint

## DIRECTORS

### Industry

Catherine Kargas, Marcon

Maxime Charron, Leading Ahead Energy

Ted Dowling, BYD

Gleb Nikiforov, AutoChargers.ca Corporation

Jeff Turner, Dunsky Consulting

### Energy Providers

Renaud Cloutier, Hydro-Québec

Nicole Morter, Enmax

Neetika Sathe, Alectra

Sanjeev Pushkarna, Nova Scotia Power

### End Users

Serge Carignan, Association du transport du Québec

### Not-for-Profit Organizations

Ian Klesmer, Toronto Atmospheric Fund

Daniel Breton, Association des véhicules électriques du Québec

# 148,777

Electric Cars  
on the road at the  
end of 2019

# 59%

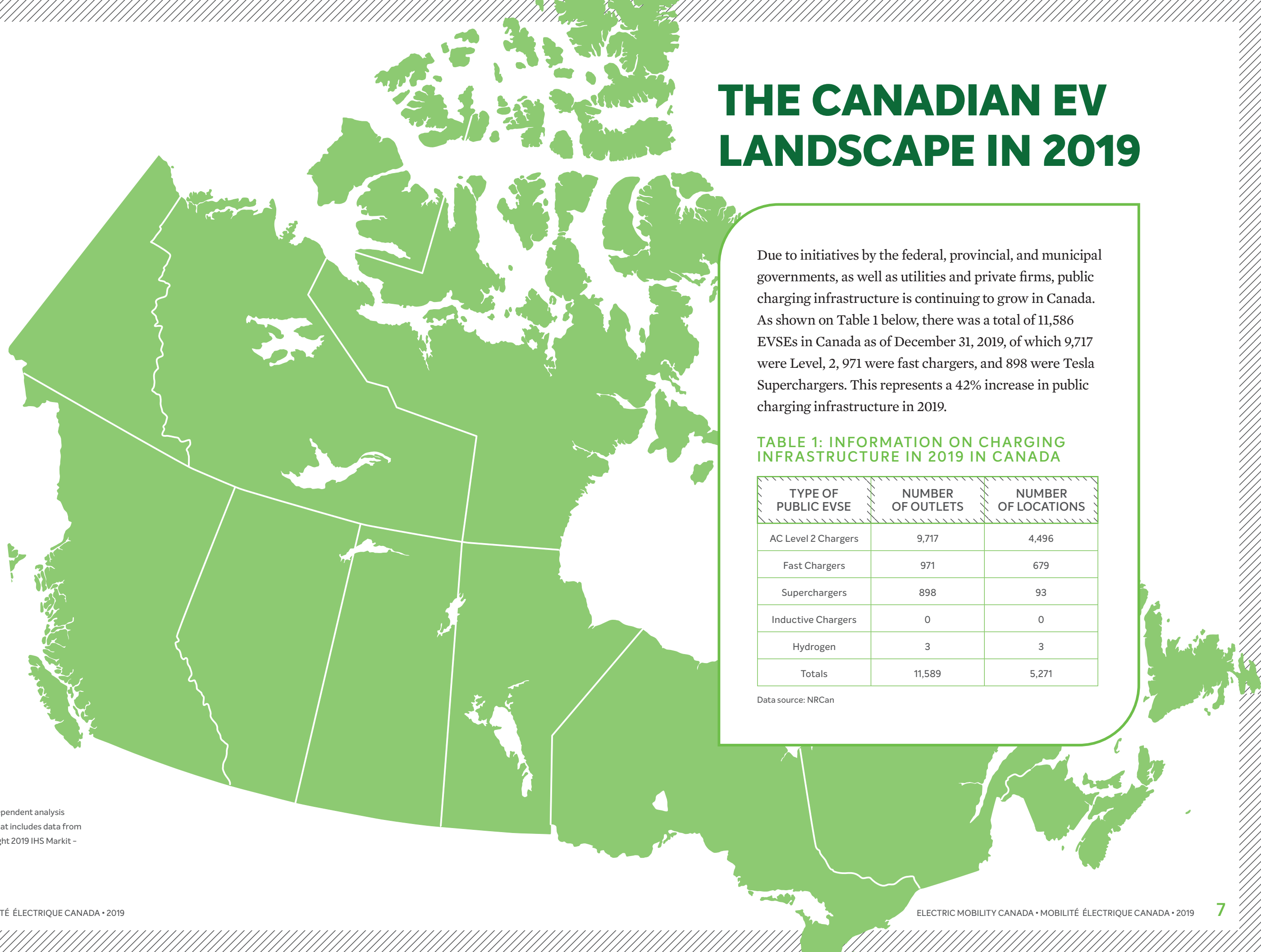
Increase over 2018

# 2.8%

of light duty vehicles  
sales were EVs  
(**3.3%** after the  
federal incentive  
program launched  
in May 2019)

# 1.9%

of EV sales  
represented  
in the USA



## THE CANADIAN EV LANDSCAPE IN 2019

Due to initiatives by the federal, provincial, and municipal governments, as well as utilities and private firms, public charging infrastructure is continuing to grow in Canada. As shown on Table 1 below, there was a total of 11,586 EVSEs in Canada as of December 31, 2019, of which 9,717 were Level 2, 971 were fast chargers, and 898 were Tesla Superchargers. This represents a 42% increase in public charging infrastructure in 2019.

**TABLE 1: INFORMATION ON CHARGING INFRASTRUCTURE IN 2019 IN CANADA**

TYPE OF PUBLIC EVSE	NUMBER OF OUTLETS	NUMBER OF LOCATIONS
AC Level 2 Chargers	9,717	4,496
Fast Chargers	971	679
Superchargers	898	93
Inductive Chargers	0	0
Hydrogen	3	3
Totals	11,589	5,271

Data source: NRCan

Conclusions are based upon independent analysis from Electric Mobility Canada that includes data from IHS Markit Canada ULC - copyright 2019 IHS Markit - and other sources.

# LOOKING FORWARD TO 2020

With the continued global growth in EVs, 2020 promises to be a busy year as the electrification of transport beyond light duty vehicles moves from prototypes and pilot projects to actual deployment in school buses, transit buses and trucks. Off-road applications in marine, farming and mining will become more noticeable.

Electric Mobility Canada will continue to promote government support for these new deployments as well as for continued research & development funding.

Thanks to all our members  
for their ongoing support!

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