

PLUG'N DRIVE

Why should your workplace care about EV?
March 10, 2020

In collaboration with:



The Canadian Coalition for Green Health Care

Coalition canadienne pour un système de santé écologie

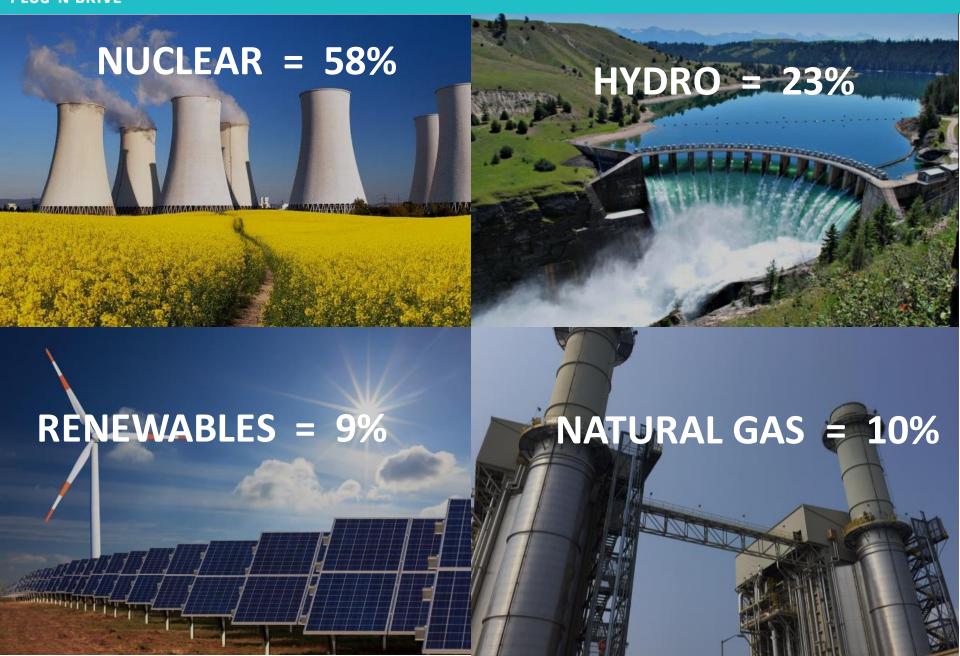




Greenhouse Gas Emissions – The Big Three









OUR VISION

To be Canada's champion for electrified transportation



EV Future: Breaking Down Barriers

OUR GOAL

Work with government and industry to increase EV sales to at least 5% of new passenger car sales by 2020.



BARRIERS TO EV UPTAKE



Consumer Knowledge. Education is needed about the ease, benefits and cost savings of driving electric.



Range anxiety: Public and workplace charging is needed

EVs SAVE MONEY



\$2000_(approx)

ANNUAL SAVINGS ON FUEL AND MAINTENANCE

EVs GO THE DISTANCE



1 CHARGE PER WEEK

200+ KM OF RANGE ON A FULL CHARGE

EVs REDUCE GREENHOUSE GAS EMISSIONS



#90%

FEWER GREENHOUSE GAS EMISSIONS THAN AN EQUIVALENT GAS CAR

EVS ARE FOR EVERYONE



40+

MODELS STARTING AT \$20,000 (AFTER INCENTIVES)





Electric Vehicle Discovery Centre Features

Electric Vehicle Test Drives

Home Charging Station Gallery

Electrifying History Wall

Public Charging Powered by Toronto Hydro

OPG PowerPlace Conference Centre (Brought to you by Ontario Power Generation)

Interactive Touchscreen Displays (Brought to you by the Power Workers' Union)

TD Insurance Zone

Bruce Power Coffee Bar

Plug'n Drive Head Office



OPG PowerPlace

Sponsored by Ontario Power Generation

Premium event venue that can accommodate workshops, seminars, presentations, etc.

Seating for upwards of 150 guests

Equipped with high-definition video display, podium and webinar/conferencing tools







A Recipe for Success

PUBLIC/PRIVATE PARTNERSHIPS

No pressure, sales free, all makes and models – ONE STOP SHOP

ANCILLARY REVENUE
EVENT VENUE /
SERVICES

STAKEHOLDER
ENGAGEMENT – two
way referral



Sponsors

Discovery Sponsors





Electrifying Sponsors







Accelerator Sponsors



















Electron Sponsors













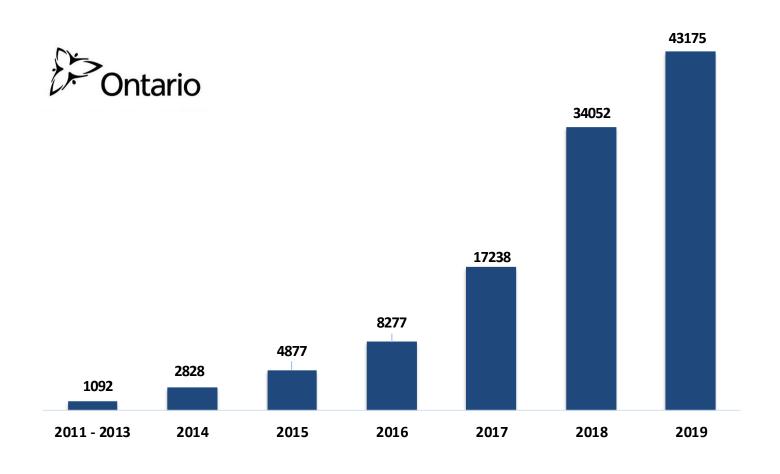


Partners

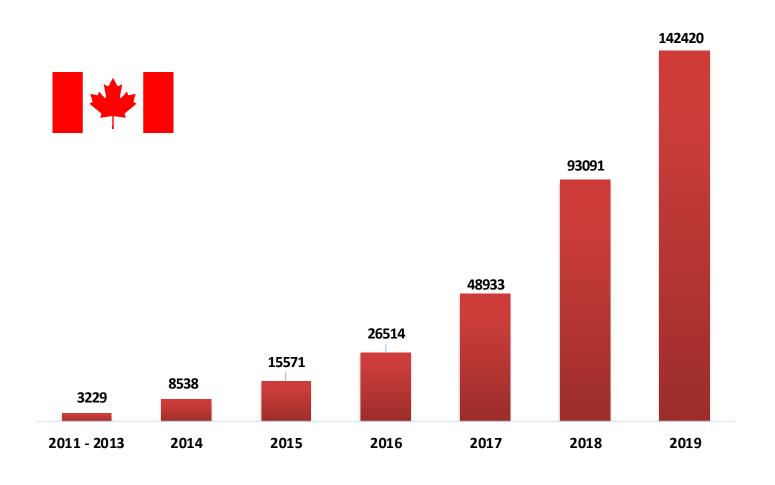


The M.H. Brigham Foundation

43,175 (est.) | 30% of Canada's Total EV Market Share Cumulative EVs on the Road in Ontario as of Q4 2019



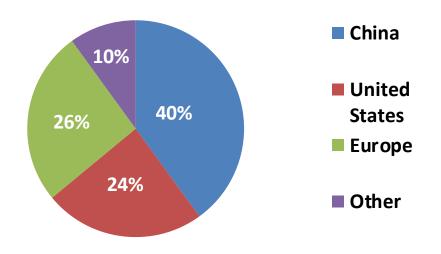
142,420 (est.)
Cumulative EVs on the Road in Canada as of Q4 2019





International EV Growth

5.1 Million Electric Cars Worldwide



Top 5
EV Countries

China (39.5%)

United States (24.5%)

Japan (6.6%)

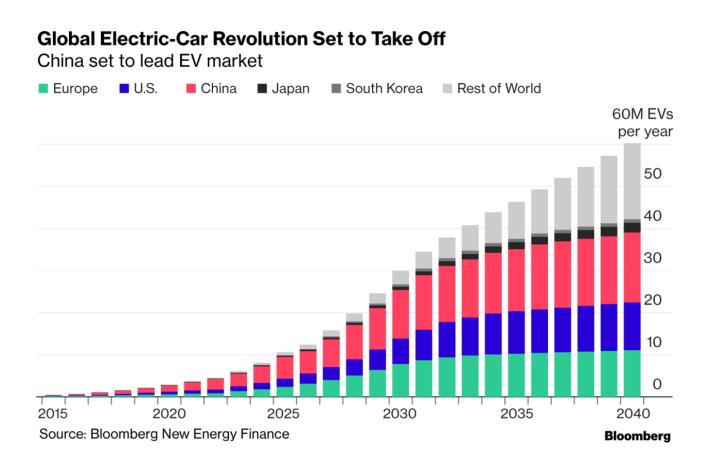
Norway (5.7%)

United Kingdom (4.3%)

Source: International Energy Agency

EV Growth Worldwide

The Global Electric Car Fleet Has Reached 5.1 Million





Electric Transit Opportunities

The Province of Ontario invested \$13 million in an electric school bus pilot project

14 Electric Buses are beginning service in 2019 in York Region and Brampton

Edmonton Transit and TransLink (Vancouver) both with pilot programs

TTC is purchasing 60 electric buses in 2019-2020





Wolfe Island Electric Ferry – Canada's First!

-BC Ferries have added electric to their fleet too





Federal EV Incentive

New Federal incentive announced March 19, 2019:

- \$5000 Incentive on EV under \$45k
- Funding for infrastructure
- Tax write off for business adding EV to fleet









USED EV INCENTIVE PROGRAM

Receive \$1,000 when you buy a used fully electric or plug-in hybrid electric car

Attend a Used EV seminar, take an EV test drive and purchase a used EV to get \$1,000 off your purchase. This program stacks with the Scrappage Incentive program on the reverse of this postcard.

To accelerate your drive to EV ownership, visit: plugndrive.ca/usedelectricvehicles

This program is made possible thanks to the support of the M. H. Brigham Foundation.







SCRAPPAGE INCENTIVE PROGRAM

Scrap your old gas car and receive \$1,000

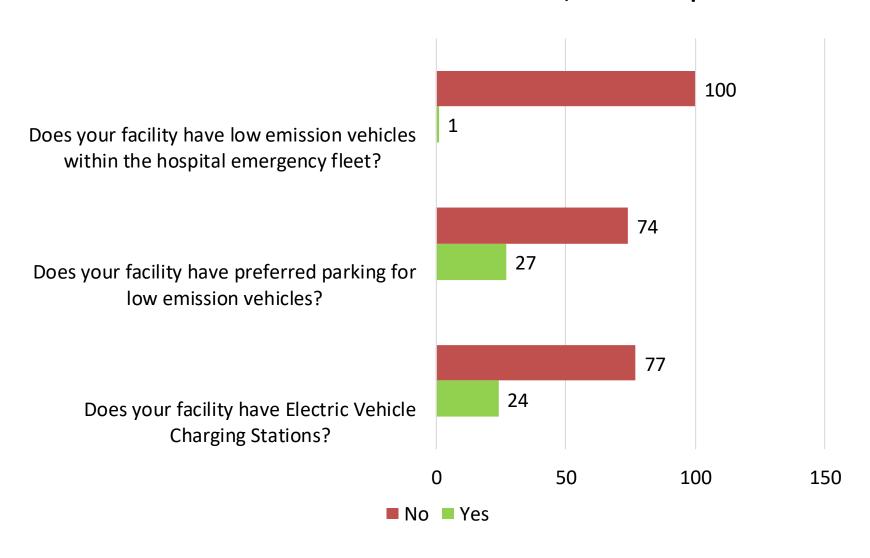
Scrap your old gas car with carheaven.ca and select "pndscrappage" from the list to claim an additional \$1,000 when you apply to the Used EV Incentive program on the reverse of this postcard.

To make the switch to an electric car, visit: plugndrive.ca/usedelectricvehicles

This program is made possible thanks to the support of the M. H. Brigham Foundation.

Electric Vehicle Infrastructure in Hospitals

Electric Vehicle Infrastructure – 2017 data, 101 Participants





Why is Workplace Charging so Important?

- 2nd most important charging location (after home)
- Employees are 6x more likely to adopt EV if chargers at work (Calif. Study)
- Makes EV possible for garage orphans
- Employee engagement/attract and retain talent
- Help your organization achieve its climate change resiliency preparedness goals
- Not just an environmental issue, but also a health issue!







Lead the Charge 2020 Guide to Workplace Charging

Comprehensive Guide to Help Businesses Prepare for and Install Workplace Charging

Includes:

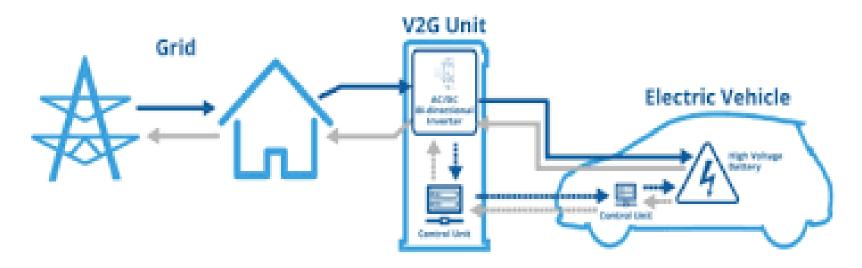
- Reasons to invest
- How to assess your workplace's demand for EV charging
- Policy considerations
- How to select the right charging equipment
- Installation considerations
- Cost considerations and pay-per-use payment models
- Operation and maintenance considerations

Interested? E-mail info@plugndrive.ca



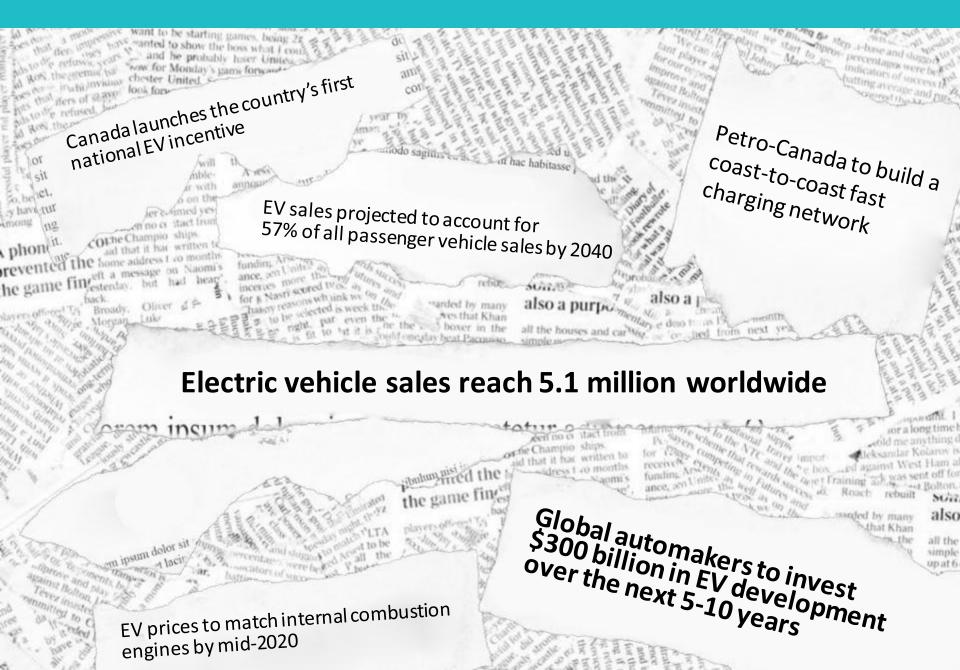
Vehicle to Grid or 'V to X'

- This exists! Developing market
- Used EV batteries for storage (or storage in the vehicles)
- Used EV batteries to back up charging stations (microgrid)
- Not just emission reductions, but climate adaptation/resilience



Source: fleetcarma.com

EVS - NOT 'IF', BUT 'WHEN'





Thank you!



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