

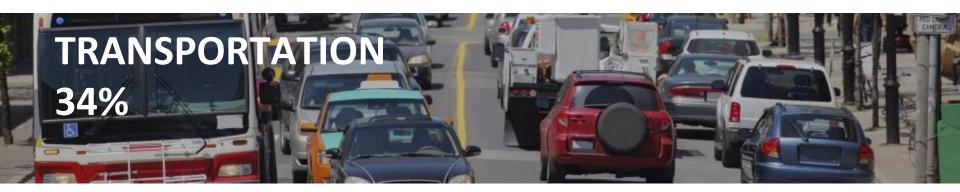
CIPMM FLEET WORKSHOP

November, 2019





Greenhouse Gas Emissions – The Big Three









Ontario's Clean Electricity











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 5% of new passenger car sales by 2020. Currently, EVs represent ALMOST 4%!!



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 REDUCE GREENHOUSE GAS EMISSIONS



#90%

FEWER GREENHOUSE GAS EMISSIONS THAN AN EQUIVALENT GAS CAR

EVs GO THE DISTANCE



1 CHARGE PER WEEK

200+ KM OF RANGE ON A FULL CHARGE

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

ELECTRIC VEHICLE DISCOVERY CENTRE



APRIL 2017 to SEPTEMBER 2019



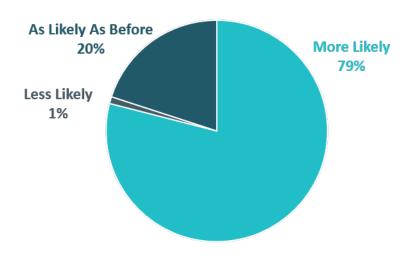
OF VISITORS

21,810+

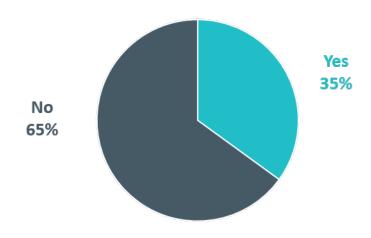
OF TEST DRIVES

8,470+

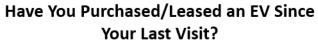
Percentage of Visitors That Are More Likely to Purchase an EV

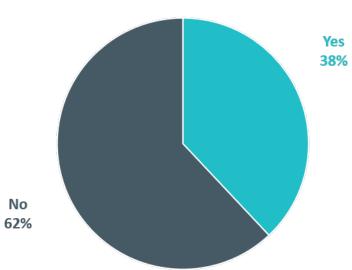


Percentage of Visitors that Opt-In to Receive Communication from an Auto Manufacturer

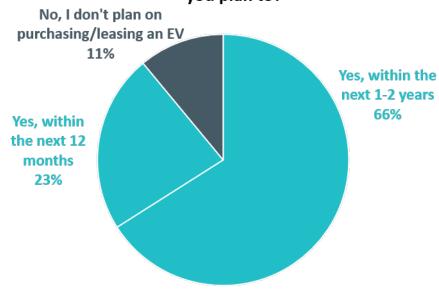


EV DISCOVERY CENTRE VISITOR FEEDBACK

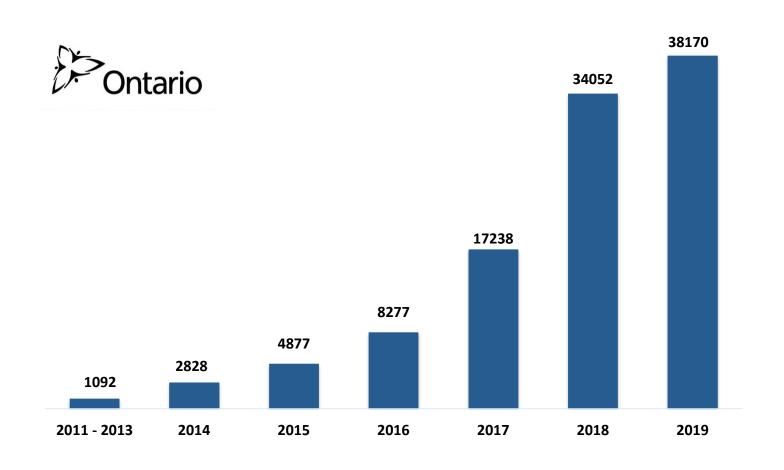




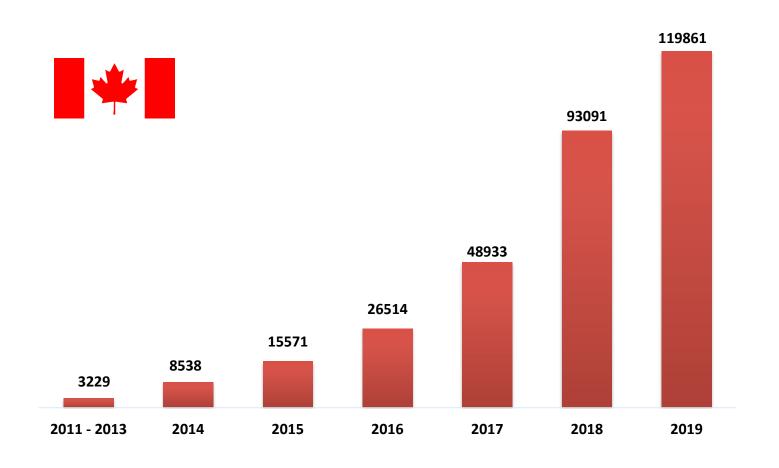
If You Have Not Purchased/Leased an EV, do you plan to?



38,170 (est.)
Cumulative EVs on the Road in Ontario as of August 31, 2019



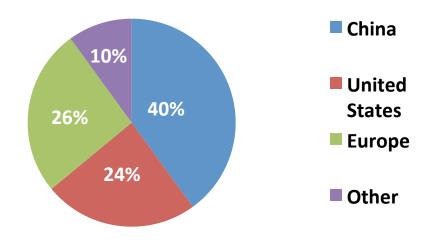
119,861 (est.)
Cumulative EVs on the Road in Canada as of August 31, 2019





International EV Growth

5.1 Million Electric Cars Worldwide



Top 5
EV Countries

China (39.5%)

United States (24.5%)

Japan (6.6%)

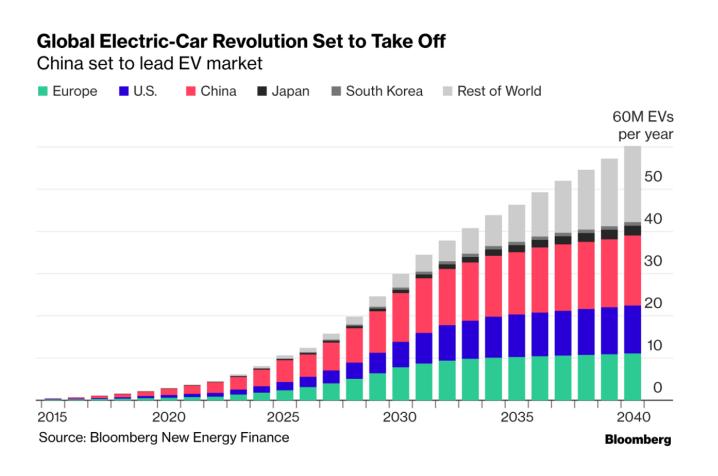
Norway (5.7%)

United Kingdom (4.3%)

Source: International Energy Agency

EV Growth Worldwide

The Global Electric Car Fleet Has Reached 5.1 Million



THE BENEFITS OF ELECTRIC FLEETS

COSTS
AS MUCH AS 88%* LESS
ON FUEL AND
MAINTENANCE PER
VEHICLE

TARGETS

AS MUCH AS 92%* LESS

GREENHOUSE GAS

EMISSIONS

COMPANY
AS A LEADER IN
ELECTRIC VEHICLE
ADOPTION

*Source: FleetWise EV300 – The Atmospheric Fund



CONSIDERATIONS

DUTY CYCLE – Match the vehicle to the use

CHARGING – What kind of charging stations to install (Level 1, 2, 3), where to install them and best time to charge

STAFF TRAINING – How to maximize driving range, how to charge, where to charge



THE ADVANTAGE OF TELEMATICS

KNOWING THE STATE OF CHARGE

Enables dispatchers to send the right vehicle for the right task

ROUTE TRACKING

Provides real-time data on the position of fleet vehicles and the estimated arrival time

MONITORING CHARGING

 Allows charging sessions to be controlled based on time-of-use pricing and can produce energy usage reports

GREENING OPERATIONS

 Controlling the routes, times of charging and vehicle used for the task means limiting the environmental impact of fleet operations





Plug'n Drive Can Help!

Not sure where to start? Plug'n Drive can help:

- Training for your team
- Assistance with infrastructure at your facility potential for funding
- Potential tax write off for business adding EV to fleet



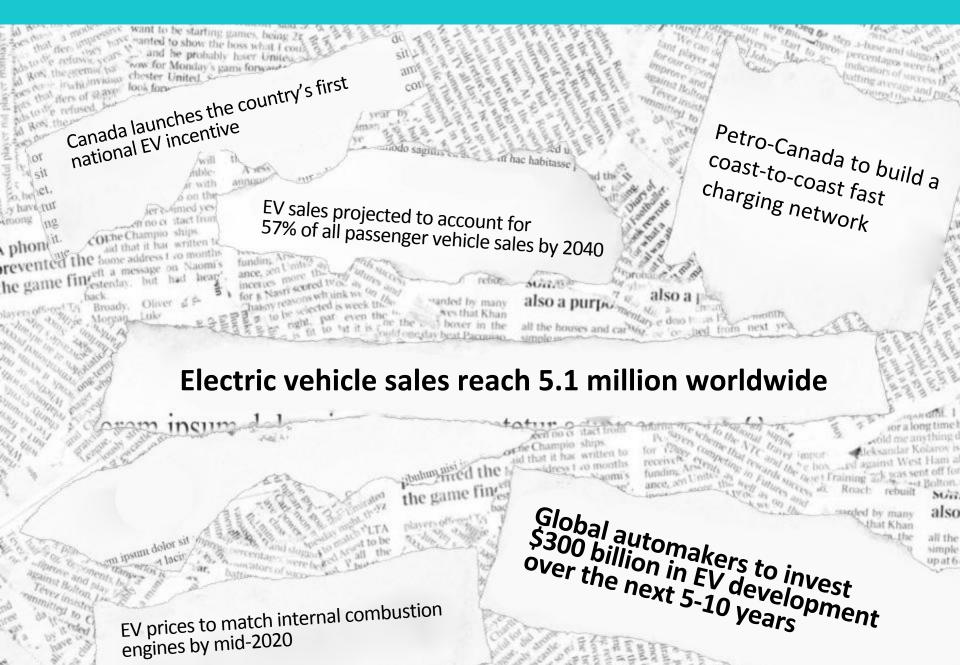


Used EV Incentive - \$1000!!



- Take our seminar, take a test drive, qualify for \$1000 off a used EV!
- E-mail info@plugndrive.ca for more details and to join the list
- Launched April 14th loads of interest! 150 incentives given so far...

EVS - NOT 'IF', BUT 'WHEN'





Thank you!



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