

Jumpstarting EV Adoption: Making NL a leader in electric vehicle use

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**Public Utilities Board
Rate Mitigation Options**



Why do we drive electric?

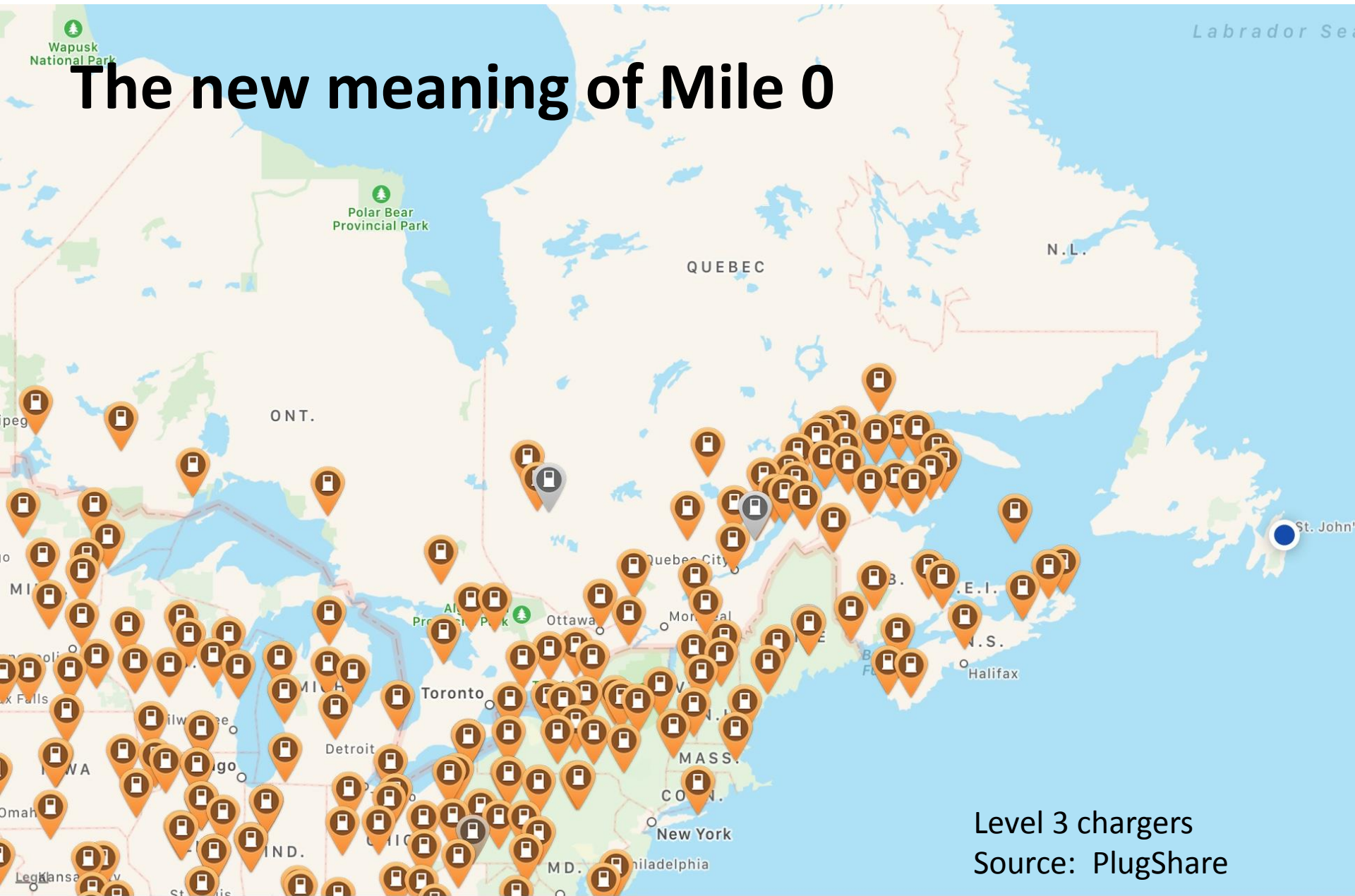


Owning an EV: Significant cost savings for NL consumers.

Annual contribution to rate mitigation

| Annual energy usage - 2018 | | | | |
|----------------------------------------|-----------|---------|------------|----------------|
| Item | Usage | KWh | Total cost | Compare to ICE |
| Tesla Model X | 23041 Km | 6567 | \$748.05 | \$4,020.00 |
| Nissan Leaf | 7621 Km | 1538 | \$175.19 | \$820.00 |
| Clothes washer | | 539 | \$38.62 | |
| Clothes dryer | | 2361 | \$268.94 | |
| Water pump | 803 L/day | 115 | \$13.10 | |
| Hot water heater | 80L tank | 4778 | \$544.26 | |
| Heat pump (ground source) | | 15610 | \$1,778.14 | |
| Refrigerator | | 806 | \$91.81 | |
| Cost per KWh (2018) | | 11.391 | | |
| Gasoline cost per litre (2018 average) | | 127.058 | | |

The new meaning of Mile 0



Level 3 chargers
Source: PlugShare



flo

flo



Smart Start
POWER
An Envera Company

**ELECTRIC
VEHICLE
CHARGING
STATION**

POWER
Smart Start only with charging
cable. For more information,
visit www.flo.com.
Please do not charge your
vehicle if the charging cable
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NOVA SCOTIA
GDJ 237

GO GREEN

Electric Vehicle
charging





EV Fast Charge

LIVE BY THE LEAF

DC Fast



EV Fast Charge

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EV

EV



Availability

Current EV and PHEV models available in Canada

Audi e-tron
BMW i3
BMW i3s
Chevrolet BOLT
Hyundai IONIQ Electric
Hyundai Kona Electric
Jaguar I-PACE
Kia Niro Electric
Kia Soul Electric
Nissan LEAF SV
Nissan LEAF S Plus
Nissan LEAF SV Plus
Nissan LEAF SL Plus
smart fortwo Coupe
smart fortwo Cabriolet
Tesla Model 3 Standard Range
Tesla Model 3 Standard Range Plus
Tesla Model 3 Long Range
Tesla Model 3 Long Range Performance
Tesla Model S Standard Range
Tesla Model S Long Range
Tesla Model S Long Range Performance
Tesla Model X Standard Range
Tesla Model X Long Range
Tesla Model X Long Range Performance
Volkswagen e-Golf
BMW i3 REX
BMW i3s REX
BMW i8 Coupé
BMW i8 Roadster
BMW 530e xDrive
Chevrolet VOLT
Chrysler Pacifica Hybrid
Ford Fusion Energi
Honda Clarity PHEV
Hyundai IONIQ Electric Plus
Hyundai Sonata PHEV
Karma Revero
Kia Niro PHEV
Kia Optima PHEV
Mercedes-Benz GLC 350e 4MATIC
Mini Cooper S E Countryman ALL4 PHEV
Mitsubishi Outlander PHEV
Porsche Panamera 4 E-Hybrid
Porsche Panamera Turbo S E-Hybrid
Toyota Prius Prime
Volvo S90 T8 AWD
Volvo XC60 T8 AWD
Volvo XC90 T8 AWD

Currently in dealer inventory in NL

Audi e-tron
Chevrolet BOLT
Mitsubishi Outlander PHEV





Education is key



Leadership sets the example



Common Misconceptions and Questions



Purchase cost: Then and Now

Lithium-ion battery price survey results: volume-weighted average

Battery pack price (real 2018 \$/kWh)



Source: BloombergNEF

Home charging







EV adoption matures



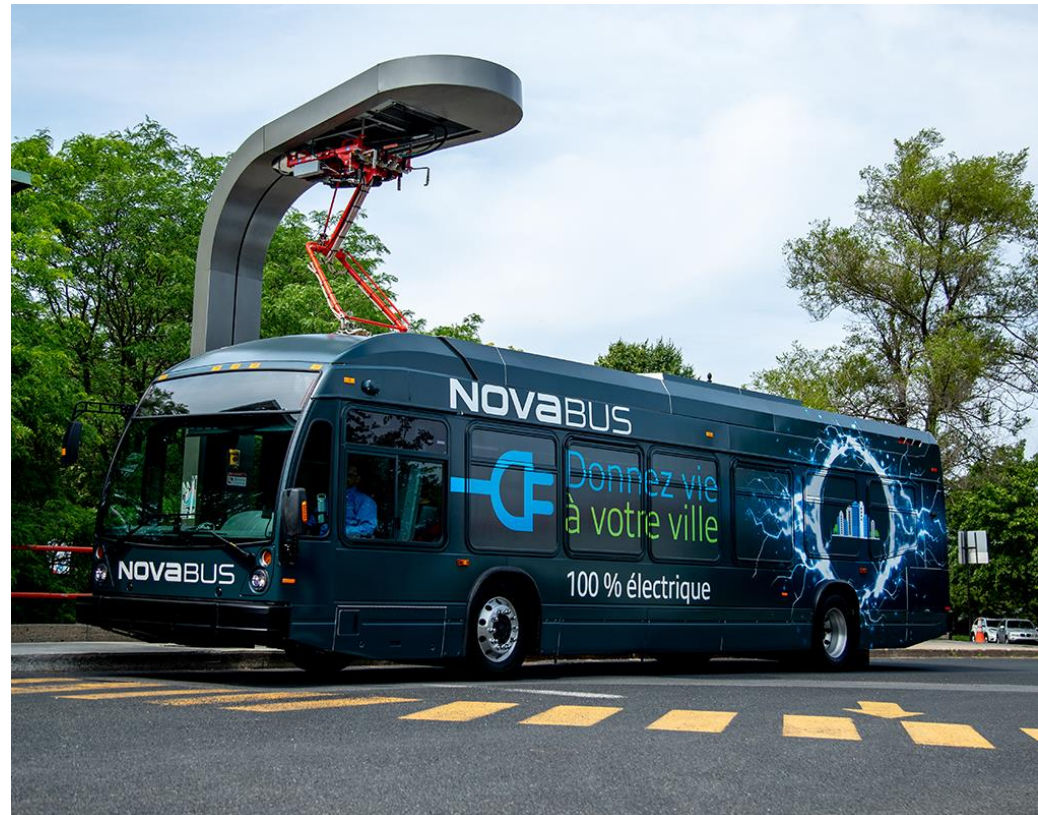
EVs currently available in Canada



Upcoming EV models



In summary, start now.



Questions?

