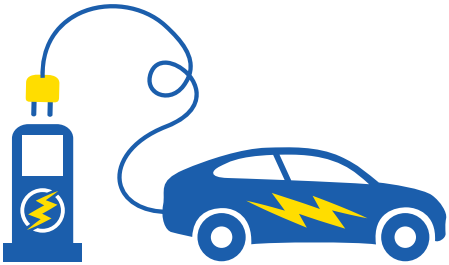
Nova Scotia POWER
An Emera Company

Plug'n Drive

ELECTRIFY YOUR RIDE



YOUR RESOURCE
FOR ELECTRIC CARS

www.nspower.ca/ev
www.plugndrive.ca

May 2016

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Nova Scotia POWER
An Emera Company

ABOUT NOVA SCOTIA POWER

Nova Scotia Power provides 95 per cent of the generation, transmission and distribution of electricity in Nova Scotia, and serves 500,000 residential, commercial and industrial customers across the province. Our facilities can generate as much as 2,453 megawatts of electricity that is delivered across 32,000 km of transmission and distribution lines throughout Nova Scotia.

Nova Scotia Power achieved a new record in renewable energy in 2015, with 26.6% of the electricity used by Nova Scotians coming from renewable resources. Nova Scotia Power's performance on renewable energy exceeded the legislated 2015 requirement of 25% renewable electricity, and positions the company well to meet the 40% renewable requirement that takes effect in 2020.

Plug'n Drive

ABOUT PLUG'N DRIVE

Plug'n Drive is a non-profit organization committed to accelerating the adoption of electric vehicles to maximize their environmental and economic benefits.

Since 2011, Plug'n Drive has established itself as a leader in the electric vehicle industry; a trusted source of information on electric cars, charging stations and the electricty sector.

Visit www.plugndrive.ca to learn more about Canada's electric vehicle industry.

SAVE BIG DRIVING ELECTRIC

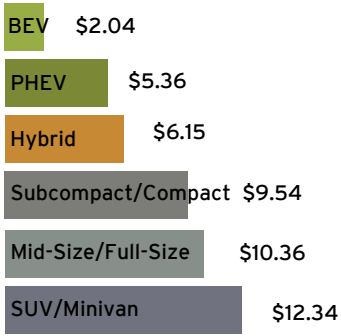
The cost of buying a new car isn't just in the sticker price - you also need to factor in the cost of ownership. Electric cars use electricity instead of gasoline, saving you thousands of dollars a year on fuel costs.

Electric cars also require less maintenance. They don't need oil changes, transmission fluid or exhaust systems, saving you hundreds of dollars a year on service fees.

At the end of your car's life, the battery still has value. It can't power your car anymore, but a bunch of them grouped together can be used for energy storage. This means that when your electric car is ready for trade-in, you may be able to sell the battery unlike old gas engines that are bound for the scrapyard.

YOU CAN SAVE $1,500 OR MORE/YEAR ON FUEL

Average Cost to Drive 100km in Nova Scotia*



*All figures are based on NRCan Fuel Efficiency figures for 2016, electricity pricing in Nova Scotia and gasoline at a cost of $1.00/litre.

BEV (Battery Electric Vehicle): A car that runs 100% on electricity.
PHEV (Plug-in Hybrid Electric Vehicle): A car that runs 100% on electricity for the first 20-80 km before switching to a gasoline engine or generator.

REDUCE YOUR TRANSPORTATION EMISSIONS

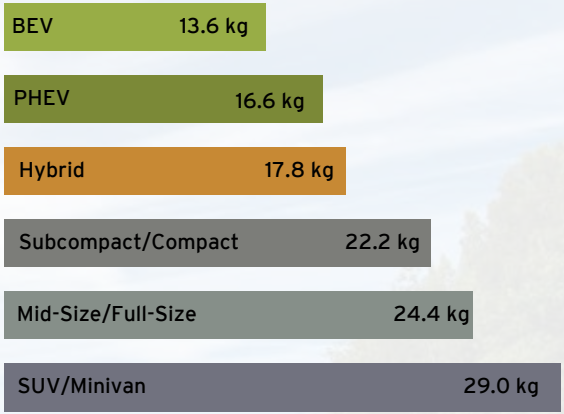
The burning of fossil fuels reduces air quality and produces greenhouse gas (GHG) emissions.

All of the emissions associated with driving your electric car are from the generation of electricity for the battery.

Nova Scotia's grid is getting cleaner with over 26% of electricity coming from renewable sources. By switching to an electric car you can reduce your transportation emissions by as much as 50% today, and even more over time as electricity generation emissions are further reduced.

AN EV IN NOVA SCOTIA EMITS AS MUCH AS 50% LESS CO_2 THAN A GAS CAR

Average Emissions to Drive 100km in Nova Scotia*



*All figures are based on NRCan Fuel Efficiency figures for 2016, the electricity generation mix in Nova Scotia and 2.3 kg of CO_2 emitted per litre of gasoline burned.

BEV (Battery Electric Vehicle): A car that runs 100% on electricity.
PHEV (Plug-in Hybrid Electric Vehicle): A car that runs 100% on electricity for the first 20-80 km before switching to a gasoline engine or generator.

CHARGE MY CAR

A Plug'n Drive initiative!

Plug'n Drive has partnered with several electricity distribution companies to bring you Charge My Car.

Charge My Car is your one-stop-shop for charging station purchase and installation.

Through Charge My Car, we make it easy for individuals and businesses to buy and install charging stations for personal or public use.

All stations sold on Charge My Car are Level 2 (240V), which is the most common level of charging station that will fully recharge an electric car from zero to full overnight.

$1,059.99

$814.99

$943.00

$1,099.99

$860.00

$849.99

Visit chargemycar.ca for more selection.

NOVA SCOTIA'S
PUBLIC CHARGING STATIONS

Public charging is an amenity that is becoming more and more common. Many businesses now offer public charging for customers and/or employees at shopping centres, restaurants and office towers.

For now, most of Canada's public charging stations are free to use. The stations that are not free to use can be turned on using a credit card or a pre-filled tap-card to a charging station network like Flo and ChargePoint.

CHARGE AT ONE OF CANADA'S
4000+ STATIONS AT 3000+ LOCATIONS

If you're on the road and need to charge, there are a number of public charging station maps and apps that help you find nearby stations and plan your route.

Here are a few of the most popular:
CAA: caa.ca/evstations
EVChargeHub: evchargehub.com
PlugShare: plugshare.com

BATTERY ELECTRIC CARS
COMING SOON

CHEVROLET BOLT

The Bolt EV has an estimated range of over 300 km for a price tage around $40,000 CDN.

TESLA MODEL 3

The Tesla Model 3 achieves a 345 km all-electric driving range for a price tag around $45,000 CDN.

PLUG-IN HYBRIDS
COMING SOON

PACIFICA

Introducing the first ever electric mini-van, the Pacifica travels 48 km on a charge and is Chrysler's first foray into the EV marketplace.

OUTLANDER PHEV

The Outlander PHEV delivers the calm and relaxing sensation of electric drive with the power and luxury of an SUV.

EV MODELS AVAILABLE TODAY

BATTERY ELECTRIC VEHICLES

ONLY USE ELECTRICITY! NO GAS!

COMPLETELY SILENT!

CHEAP TO OPERATE AND MAINTAIN!

ZERO TAILPIPE EMISSIONS!

- BMW i3
- FORD FOCUS EV
- KIA SOUL EV
- MITSUBISHI i-MIEV
- NISSAN LEAF
- TESLA MODEL S
- TESLA MODEL X

COST: $45,300 STARTING MSRP

100% ELECTRIC (AVAILABLE GASOLINE RANGE EXTENDER)

i3

ALL ELECTRIC DRIVING RANGE
130 km

WITH GASOLINE RANGE EXTENDER
ELECTRIC: 115 km
GAS: 125 km

Plug'n Drive Analysis*	BMW i3	Subcompact
Cost to Drive 100 km	$1.70	$9.54
CO_2 Emissions Per 100 km	11.3 kg	22.4 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
7.2 Seconds

HORSEPOWER
170 hp

TORQUE
184 lb-ft

TIME TO CHARGE

Level (120 V): 13 Hours
Level 2 (240 V): 3.25 Hours
Level 3 (480 V): 20-30 Minutes

COST: $31,999 STARTING MSRP

100% ELECTRIC

Focus EV

ALL ELECTRIC DRIVING RANGE
122 km

Plug'n Drive Analysis*	Focus EV	Compact
Cost to Drive 100 km	$2.02	$9.36
CO_2 Emissions Per 100 km	13.5 kg	22.0 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
8.6 Seconds

HORSEPOWER
143 hp

TORQUE
181 lb-ft

TIME TO CHARGE

Level (120 V): 16.0 Hours
Level 2 (240 V): 4.0 Hours
Level 3 (480 V): Unavailable

COST: $35,195 STARTING MSRP

100% ELECTRIC

Soul EV

ALL ELECTRIC DRIVING RANGE
149 km

Plug'n Drive Analysis*	Soul EV	Station Wagon
Cost to Drive 100 km	$2.01	$8.59
CO_2 Emissions Per 100 km	13.4 kg	20.2 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H	HORSEPOWER	TORQUE
11.4 Seconds	109 hp	210 lb-ft

TIME TO CHARGE

Level (120 V): 17.0 Hours
Level 2 (240 V): 5.0 Hours
Level 3 (480 V): 20-30 Minutes

COST: $29,817 STARTING MSRP

100% ELECTRIC

i-MIEV

ALL ELECTRIC DRIVING RANGE
100 km

Plug'n Drive Analysis*	i-MiEV	Subcompact
Cost to Drive 100 km	$1.89	$9.54
CO_2 Emissions Per 100 km	12.6 kg	22.4 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H	HORSEPOWER	TORQUE
15.9 Seconds	66 hp	145 lb-ft

TIME TO CHARGE

Level (120 V): 11.0 Hours
Level 2 (240 V): 5.0 Hours
Level 3 (480 V): 20-30 Minutes

COST: $32,698 STARTING MSRP

100% ELECTRIC

NISSAN

LEAF

ALL ELECTRIC DRIVING RANGE
24 kWh BATTERY
133 km

30 kWh BATTERY
172 km

Plug'n Drive Analysis*	LEAF	Mid-Size
Cost to Drive 100 km	$1.88	$10.33
CO_2 Emissions Per 100 km	12.5 kg	24.3 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
9.9 Seconds

HORSEPOWER
107 hp

TORQUE
187 lb-ft

TIME TO CHARGE

Level (120 V): 19.0 Hours
Level 2 (240 V): 4.5 Hours
Level 3 (480 V): 20-30 Minutes

COST: $93,300 STARTING MSRP

100% ELECTRIC

TESLA

Model S

ALL ELECTRIC DRIVING RANGE
70 kWh Battery
370 km

90 kWh Battery
460 km

Plug'n Drive Analysis*	Model S	Sports Car
Cost to Drive 100 km	$2.24	$12.46
CO_2 Emissions Per 100 km	14.9 kg	24.4 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
4.4 Seconds

HORSEPOWER
417 hp

TORQUE
485 lb-ft

TIME TO CHARGE

Level (120 V): 41 Hours
Level 2 (240 V): 10.5 Hours
Level 3 (480V): 45 Minutes-1 Hour

COST: $106,000 STARTING MSRP

100% ELECTRIC

Model X

ALL ELECTRIC DRIVING RANGE
70 kWh Battery
354 km

90 kWh Battery
410 km

Plug'n Drive Analysis*	Model X	SUV
Cost to Drive 100 km	$2.33	$12.28
CO_2 Emissions Per 100 km	15.5 kg	28.9 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging in Ontario and gasoline at a price of $1.00 per litre.

0-100 KM/H
5.0 Seconds

HORSEPOWER
762 hp

TORQUE
713 lb-ft

TOWING CAPACITY
22 inch wheels = 3,500 lbs.
20 inch wheels = 5,000 lbs.

TIME TO CHARGE
Level (120 V): 41 Hours
Level 2 (240 V): 10.5 Hours
Level 3 (480V): 45 Minutes-1 Hour

PLUG-IN HYBRID ELECTRIC VEHICLE MODELS AVAILABLE IN CANADA

PLUG-IN HYBRID ELECTRIC VEHICLES

USE ELECTRICITY AND GAS!

LONG TOTAL DRIVING DISTANCES!

ELECTRIC ONLY DRIVING MODES!

CHEAPER TO OPERATE THAN HYBRIDS OR FULL GAS CARS!

- AUDI A3 eTRON
- BMW i8
- BMW X5 xDRIVE40E
- CHEVROLET VOLT
- FORD C-MAX ENERGI
- FORD FUSION ENERGI
- HYUNDAI SONATA PHEV
- PORSCHE CAYENNE S E HYBRID
- PORSCHE PANAMERA S E HYBRID
- VOLVO XC90 T8 TWIN-ENGINE

COST: $39,200 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

A3 Sportback e-tron

DRIVING RANGE
100% ELECTRIC
26 km

GASOLINE
585 km

Plug'n Drive Analysis*	A3 e-tron	Compact
Cost to Drive 100 km	$5.32	$9.36
CO_2 Emissions Per 100 km	15.3 kg	22.0 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
7.6 Seconds

HORSEPOWER
150 hp

TORQUE
258 lb-ft

TIME TO CHARGE

Level (120 V): 5.25 Hours
Level 2 (240 V): 2.25 Hours

COST: $150,000 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

i8

DRIVING RANGE
100% ELECTRIC
24 km

GASOLINE
506 km

Plug'n Drive Analysis*	BMW i8	Sports Car
Cost to Drive 100 km	$7.08	$14.54
CO_2 Emissions Per 100 km	19.4 kg	34.2 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
4.4 Seconds

HORSEPOWER
362 hp

TORQUE
420 lb-ft

TIME TO CHARGE

Level (120 V): 3.5 Hours
Level 2 (240 V): 2.0 Hours

COST: $74,000 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

X5 xDrive40e

DRIVING RANGE
100% ELECTRIC
23 km

GASOLINE
846 km

Plug'n Drive Analysis*	X5 xDrive40e	SUV
Cost to Drive 100 km	$8.48	$12.28
CO_2 Emissions Per 100 km	23.6 kg	28.9 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
6.5 Seconds

HORSEPOWER
308 hp

TORQUE
302 lb-ft

TIME TO CHARGE

Level (120 V): 5 Hours
Level 2 (240 V): 2 Hours

COST: $38,490 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

VOLT

DRIVING RANGE
100% ELECTRIC
85 km

GASOLINE
590 km

Plug'n Drive Analysis*	VOLT	Compact
Cost to Drive 100 km	$3.60	$9.36
CO_2 Emissions Per 100 km	14.4 kg	22.0 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
8.4 Seconds

HORSEPOWER
149 hp

TORQUE
294 lb-ft

TIME TO CHARGE

Level (120 V): 13.0 Hours
Level 2 (240 V): 4.5 Hours

COST: $31,999 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

C-Max Energi

DRIVING RANGE
100% ELECTRIC
32 km

GASOLINE
824 km

Plug'n Drive Analysis*	C-Max Energi	Mid-Size
Cost to Drive 100 km	$4.88	$10.33
CO_2 Emissions Per 100 km	14.5 kg	24.3 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
9.2 Seconds

HORSEPOWER
141 hp

TORQUE
129 lb-ft

TIME TO CHARGE
Level (120 V): 7.0 Hours
Level 2 (240 V): 2.5 Hours

COST: $30,949 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

Fusion Energi

DRIVING RANGE
100% ELECTRIC
32 km

GASOLINE
824 km

Plug'n Drive Analysis*	Fusion Energi	Mid-Size
Cost to Drive 100 km	$4.88	$10.33
CO_2 Emissions Per 100 km	14.5 kg	24.3 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
9.2 Seconds

HORSEPOWER
141 hp

TORQUE
129 lb-ft

TIME TO CHARGE
Level (120 V): 7.0 Hours
Level 2 (240 V): 2.5 Hours

COST: $43,999 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

HYUNDAI

Sonata PHEV

DRIVING RANGE
100% ELECTRIC
36 km

GASOLINE
922 km

Plug'n Drive Analysis*	Sonata PHEV	Mid-Sized
Cost to Drive 100 km	$4.28	$9.36
CO_2 Emissions Per 100 km	14.0 kg	22.0 kg

*Cost and emissions figures are based on NRCan's 2014 fuel efficiency data, night time or weekend charging and a gasoline price of $1.00 per litre.

0-100 KM/H
8.3 Seconds

HORSEPOWER
193 hp

TORQUE
151 lb-ft

TIME TO CHARGE
Level (120 V): 5.0 Hours
Level 2 (240 V): 2.5 Hours

COST: $87,700 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

PORSCHE

Cayenne S E-Hybrid

DRIVING RANGE
100% ELECTRIC
22 km

GASOLINE
749 km

Plug'n Drive Analysis*	Cayenne S E	SUV
Cost to Drive 100 km	$8.60	$12.28
CO_2 Emissions Per 100 km	24.6 kg	28.9 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
5.9 Seconds

HORSEPOWER
416 hp

TORQUE
435 lb-ft

TIME TO CHARGE
Level (120 V): 6.5 Hours
Level 2 (240 V): 2.5 Hours

COST: $106,600 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

PORSCHE

Panamera S E-Hybrid

DRIVING RANGE
100% ELECTRIC
25 km

GASOLINE
875 km

Plug'n Drive Analysis*	Panamera S E	Sports Car
Cost to Drive 100 km	$7.37	$12.40
CO_2 Emissions Per 100 km	20.9 kg	34.2 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
5.5 Seconds

HORSEPOWER
416 hp

TORQUE
435 lb-ft

TIME TO CHARGE
Level (120 V): 6.5 Hours
Level 2 (240 V): 2.5 Hours

COST: $74,150 STARTING MSRP

PLUG-IN HYBRID ELECTRIC

VOLVO

XC90 T8 Twin Engine

DRIVING RANGE
100% ELECTRIC
27 km

GASOLINE
540 km

Plug'n Drive Analysis*	XC90 T8	SUV
Cost to Drive 100 km	$8.21	$12.28
CO_2 Emissions Per 100 km	22.7 kg	28.9 kg

*Cost and emissions figures are based on NRCan's 2016 fuel efficiency data, night time or weekend charging and gasoline at a price of $1.00 per litre.

0-100 KM/H
5.6 Seconds

HORSEPOWER
400 hp

TORQUE
472 lb-ft

TIME TO CHARGE
Level (120 V): 6.5 Hours
Level 2 (240 V): 2.5 Hours

TOWING CAPACITY
5,000 lbs.

NOTES

chargemycar.ca

Installing a Home Charging Station is as easy as 1... 2... 3...

1. **Choose** from Canada's largest selection of charging stations

2. **Buy** your station securely through the chargemycar online store

3. **Install** your station with the help of a licensed electrician