

## **CEVforBC™ Blog Post #1 EV 101**

Electric vehicles – they're environmentally-friendly, hi-tech, and it seems like every automaker is talking about them.

Clean energy vehicles and electric vehicles (or CEVs and EVs for short), have become popular over past few years and have completely revolutionized the automotive industry. The traditional gasoline-powered vehicle has dominated the history of automobiles, and these new, greener cars have completely changed the way we think about energy, transportation and the future.

Globally, governments are recognizing the need to lower greenhouse gas emissions, and CEVs have the potential to do just that. On top of being greener, the CEVs hitting the roads today are stylish, state-of-the-art technological achievements that are turning heads.

CEVs in the market are categorized into four different types: Battery Electric Vehicle (BEV), Fuel-Cell Vehicle (FCV), Plug-In Hybrid Electric Vehicle (PHEV) and Extended Range Electric Vehicle (ER-EV).

You may have seen them on the roads or test driven one yourself, but what does a consumer need to know about owning an 100% battery electric vehicle (BEV)?

For one, the cost of refueling a BEV is significantly lower than that of a gasoline-powered car. Depending on the local electricity and gas prices, fueling a BEV is roughly an eighth of the cost of fueling a gasoline-powered car. With BEVs, drivers also skip out on some of the maintenance fees – there are no oil changes, no transmissions, and no spark plugs are needed.

Charging is a simple process. All you need is access to a plug outdoors within reach of where you park your car, and currently many public stations are free to charge. These Level 1 charging outlets in a standard 120-volt wall do the job, but can take a a LONG time to charge up your vehicle. For those who want a faster charge, Level 2 240-volt chargers can deliver up to 95 km of range in just one hour.

On top of that, British Columbia is also home to one of the largest charging networks in Canada and has programs in place to expand public, residential and workplace charging for CEV drivers.

Automakers are coming out with new, affordable models every year, but drivers who are thinking about purchasing a CEV right now can take advantage of the provincial government incentives currently available for qualifying purchasers.

The CEVforBC™ point of sale incentive program is administered by dealers across the province, and eligible buyers can save up to \$5,000 off the after tax sticker price for a

new battery electric, fuel-cell electric, and plug-in hybrid electric, or up to \$6,000 for a hydrogen fuel cell vehicle.

As of Fall 2017, there are [28 different vehicle models](#) eligible for this incentive and dealerships can walk buyers through the [step-by-step process](#) to claim their purchase incentive.