

# Electric Vehicles are Coming!



## DID YOU KNOW:

- Sales of EVs nearly doubling in B.C. each year.
- EVs are expected to make up **24-27%** of all car sales in the Lower Mainland by 2030.
- Up to **\$11,000** in incentives are available for EV buyers in B.C.

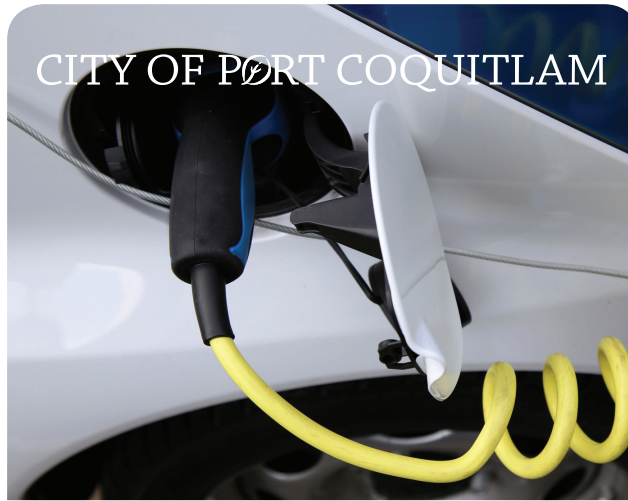
## TAKING ACTION

More and more people are buying EVs and want to be able to charge them at home.

To make it easier for residents to drive EVs, Port Coquitlam has joined a growing number of cities in Metro Vancouver in requiring roughing-in of EV charging infrastructure in new residential buildings.

Roughing-in simplifies the installation of an EV charging station – and reduces the cost by up to 80%!

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## New EV Rough-in Requirement

Electrical vehicles (EVs) are a low-carbon and money-saving mode of transportation that is growing in popularity.

Roughed-in EV charging infrastructure is required for all new buildings in Port Coquitlam that contain residential units for which building permits are applied on **July 23, 2018** or later.

## LEARN MORE:

- Review this brochure.
- Read detailed technical requirements at [portcoquitlam.ca/ev](http://portcoquitlam.ca/ev).

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## PLANNING FOR



## ELECTRIC VEHICLE INFRASTRUCTURE

What developers, builders and owners in Port Coquitlam need to know

[portcoquitlam.ca/ev](http://portcoquitlam.ca/ev)



## Roughing-in for EV Charging: What and Why

### WHAT IS “ROUGHING-IN”?

Roughing-in is the installation of basic electrical equipment during building construction to allow for later installation of an EV charging station.

### WHY ROUGH-IN FOR EV CHARGING?

Access to charging is a key determinant of EV ownership – without the ability to charge at home, it may not be practical to have an electric vehicle.

However, the cost of installing charging facilities can be prohibitive. Roughing-in at the time of construction allows the owner to install a charging station without modifying a building’s structure or power supply, reducing overall costs.

EV charging infrastructure can be a selling point in new homes, offering additional value to potential homebuyers.

See [portcoquitlam.ca/ev](http://portcoquitlam.ca/ev) for more common questions and technical details.

### WHAT BUILDINGS DOES THIS APPLY TO?

EV rough-ins will be mandatory in indoor and/or outdoor parking areas for all buildings with residential dwellings, including:

- single-family homes
- duplexes
- townhouses
- rowhouses
- apartment buildings
- coach houses
- residential components of mixed-use buildings

The requirements apply to all new buildings with residential dwellings for which building permits are applied on July 23, 2018 or later.

### REQUIREMENTS FOR ROUGHING IN

Roughing-in requires the installation of 208V or 240V breakers on a building’s (or unit’s) electrical panel, with raceway running to outlet boxes for one parking space per residential dwelling unit.

In buildings with common parking areas, an additional electrical meter (or submeter), disconnect and separate electrical panels are required for EV charging, although breakers, raceway, and outlet boxes may be shared between up to eight parking spaces.

In all cases, outlets must be within three metres of associated parking spaces, and building power supply must be adequate for all EV charging, and in addition to other building electrical loads.



## Next Steps for Owners

### I OWN A HOME WITH A ROUGHED-IN PARKING SPACE. HOW DO I CHARGE MY EV?

An EV charging station will need to be wired in to the roughed-in infrastructure. A qualified electrician or EV equipment installer can do this, and help to obtain the necessary electrical permits.

If you live in a building with a common parking area, be sure to check with your strata before doing any work.

Go to [portcoquitlam.ca/ev](http://portcoquitlam.ca/ev) for additional guidance for strata properties.