

# EV ASSESSMENT OVERVIEW



## SUMMARY OF ASSESSMENT

After analysis of the data provided, **there is sufficient capacity to provide adequate charging for 100 EV parking spaces in the building.** A summary of expected distance traveled by residents and the maximum number of EV per circuit are listed below.

The budget range for phase 2 (On-Site EV Assessment) is between \$10,000 and \$40,000 CAD + GST which includes a finalized number of EV chargers, applying for BC Clean Energy grants, engineering design, P.Eng. stamped schematics.

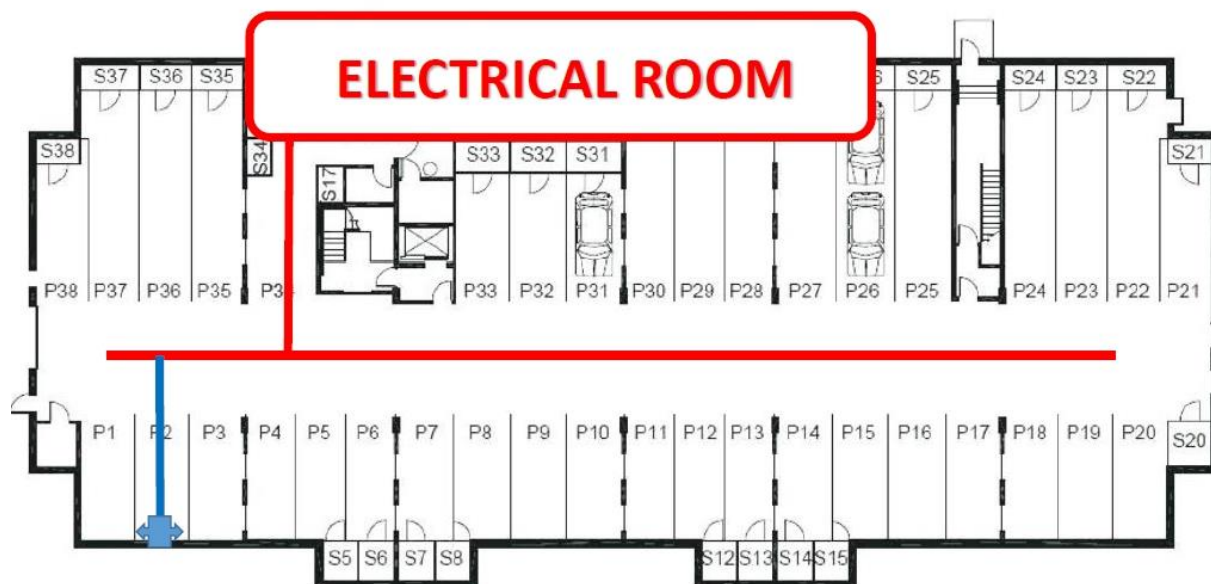
The budget range for phase 3 (installation of EV charges) is \$80,000 to \$190,000 depending on the brand and type of EV charge and the amount of infrastructure identified in Phase 2.

Annual distance travelled	9,125 km	12,775 km	16,425 km	21,900 km
Daily distance travelled	25 km	35 km	45 km	60 km
Minimum circuit breaker rating (amps)	Max number of EVSE per circuit	Max number of EVSE per circuit	Max number of EVSE per circuit	Max number of EVSE per circuit
20	3	1	0	0
30	7	4	2	0
40	10	6	4	2
50	14	8	5	3
60	17	11	7	4
70	21	13	9	5
80	24	15	10	6
90	28	17	12	7
100	31	20	13	8
125	35	26	18	11
150	45	32	22	14
200	62	40	31	20

*\*CleanBC Go Electric*

## INFORMATION PROVIDED

- 12 months of BC Hydro billing history – The peak demand was 85.75 kW.
- The building breaker size
- 250 total parking spaces
- 10 visitor parking spaces
- 900 units



*\*Example building layout*



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