

1 March 2024

Our ref LTA/NEVC/EVR/2024/0001/C

To Building Owners, Developers, Qualified Persons (QPs), Licensed Electrical Workers (LEWs)

Dear Sir / Madam

REGULATIONS REGARDING MINIMUM ELECTRICAL LOAD AND CHARGING POINTS IN PARKING PLACES UNDER THE ELECTRIC VEHICLES CHARGING ACT

1. The Electric Vehicles (EV) Charging Act 2022 (“EVCA”), which regulates the safe charging of EVs, the provision of reliable EV charging services, as well as the accessibility of charging infrastructure in Singapore, has commenced on 8 December 2023.
2. Under the EVCA, developments undergoing the following building or electrical works will be required to provide EV charging infrastructure:
 - a. Building works that (i) erect or re-erect a building or (ii) increase the existing gross floor area (GFA) of a development by at least 50%; and
 - b. Electrical works¹ that result in an increase of the approved electrical load to more than 280 kilo-volt ampere (kVA).
3. Developers and development owners will be required to supply a minimum power capacity of at least 1.3kVA per car and motorcycle parking lot in the development (“Passive Provision”), and minimally install charging points that draw a total power of one-fifth of the Passive Provision required (“Active Provision”). This requirement will apply to developments with applications submitted to URA for planning permission on or after 8 December 2023, or for applications made to SP Services Ltd. for an increase in the approved electrical load of a development on or after 8 December 2023.
4. For building works, developers will be required to submit EV charging proposals and plans for LTA’s approval through the OneMotoring website (<https://onemotoring.lta.gov.sg/>) under Owning > Electric Vehicle Charging > Minimum EV Charging Provisions. Upon completion of works for the approved EV charging provisions, an application for Certificate of Statutory Completion (CSC) Clearance must be submitted to LTA through CORENET e-Submission system. Please note that LTA’s technical clearance for EV charging is required for applications made to BCA for Temporary Occupation Permit (TOP) / CSC.

¹ Electrical work has the meaning given by section 2(1) of the Electricity Act 2001.

5. For electrical works, an application for CSC Clearance must be submitted to LTA through the OneMotoring website after the EV charging provisions have been installed. Applications must be made within 12 months from the approved date on the Statement of Turn On (SOTO) or Notice of Approval (NOA) issued by SP PowerGrid Ltd. or SP Services Ltd. More information about the requirements and submission process can be found on the guidelines published on LTA's website (https://www.lta.gov.sg/content/ltagov/en/industry_innovations/technologies/electric_vehicles/transitioning_to_evs.html) under “Widening Coverage of Accessible EV Charging Points”.

6. LTA may issue a remedial notice to require rectification works to be carried out within a stipulated timeframe if non-compliance is detected. Contravention of a remedial notice will constitute an offence and offenders may be liable to a fine of up to \$30,000. Developments with very small carparks² will be exempted from the Active Provision mandate.

7. We encourage all buildings to cater for EV charging provisions for future-proofing purposes, as Singapore moves to electrify its vehicle population. Should you have any enquiry or require any further clarifications on this matter, you may contact us at LTA_EV_charging@lta.gov.sg. Thank you.

Yours sincerely

Stephanie Tan
Director, National Electric Vehicle Centre
Land Transport Authority

² Developments with carparks that have fewer than 8 parking lots.