

Pole Mounted Electric Vehicle Charging Infrastructure Guideline

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Purpose

This document shall be reviewed regularly and amended as required to reflect changes in design and construction standards, the application of new technologies, or changes to network operations and field experience.

Any departure from this guideline shall be approved by CitiPower, Powercor and United Energy.

All enquiries relating to this document shall be directed to the email address shown below.

Email CitiPower and Powercor: EVCIpoleaccess@powercor.com.au

Email United Energy: EVCIpoleaccess@unitedenergy.com.au

Scope

This document provides the methodology on how requests for pole mounted Electric Vehicle Charging Infrastructure (EVCI) shall be treated in the CitiPower, Powercor and United Energy Distribution areas.

This document primarily focuses on identifying suitable CitiPower, Powercor and United Energy owned poles which can be used for the installation of EVCI, with the intention that installations will have minimal disruption to network operations. This document does not consider the identification of sites that are preferable to councils, third party customers or consumer demand.

This document provides the CitiPower, Powercor and United Energy pole selection criteria for the installation of pole mounted EVCI.

EVCI installations on poles will be treated as an LV metered supply, the installations will comply with the requirements of the Victorian Service and Installation Rules (VSIR's).

Issue Number and Date

The Issue Number of this Guideline is:

- 2

The Issue Date of this Guideline is:

- 25/06/2026
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GUIDELINE

Date Last Reviewed

The Guideline was last reviewed by the Business Process Owner on the following date:

- 25/06/2026
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Related Documents

This Guideline supports the following Policy:

- CitiPower, Powercor & United Energy Facilities Access Policy
- CitiPower, Powercor & United Energy Connections Policies
- CitiPower, Powercor & United Energy Network Customer Policy Manuals

The Guideline should be followed in conjunction with:

- Victorian Service Installation Rules
 - VESI Shared use of poles code
 - CitiPower, Powercor & United Energy Technical standards
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Document Owners

The document has the following Business Process Owner (BPO) and Business Process Analyst (BPA):

- Business Process Owner (BPO) title: Head of Revenue Management
 - Business Process Analyst (BPA) title: Network Access Revenue Manager
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Topic Information

Application Process

In accordance with the Facilities Access Agreement Policy, third-party customers must first establish a Pole Access Agreement (PAA) with the Distributor/s. The PAA will require the customer to agree to the Distributors' terms and conditions

Once the PAA is executed, third-party customers will be required to lodge an application for each site to receive an access licence (CitiPower, Powercor & United Energy) and electricity supply (where applicable). These applications are to be made via the distributor's online application portal or form. If the location is approved the Customer will receive an access licence and a power supply offer (if applicable). The customer must sign and return all licence and/or power supply documents prior to proceeding to install their equipment.

Permitted Equipment

All pole mounted EVCI which comply with relevant rules, regulations and standards shall be considered with the below additional requirements taken into consideration;

- Pole mounted EVCI should be designed in a way that can be quickly and safely removed from the pole under fault/emergency conditions
- Pole mounted EVCI design must not externally display anything which may be detrimental to the Distributors brand or reputation
- Advertising is not permitted (except that of the equipment owner), unless specifically approved by the distributor

Pole mounted EVCI which will require a structural engineering assessment for each pole where there is;

- Charging equipment and metering with a combined weight of greater than 80kg
- Charging equipment and metering with a surface area of more than 6000cm²

Installations which will require a network safety assessment for each site pole

- Pole mounted EVCI with tethered cable/s on the Distributors pole
- Pole mounted EVCI with considerable overhang to the width of the pole

Third party customers must include a detailed design of their EVCI and mounting equipment for distributor approval. Where the equipment is significantly different to previously approved equipment then a Distributor subject matter expert will engage relevant technical, compliance, safety and operation teams as required prior to approval.

Site selection criteria

A pole will only be deemed suitable if the requested load for the pole mounted EVCI can be provided at the 4m mark of that pole via the LV mains on the same pole.

The selection criteria must be considered.
Refer to Table 1 and Table 2 below.

Table 1 – Pole Selection minimum criteria

Category	Detail
Streetlight	The location provides adequate artificial light in low light conditions
Pole condition	Pole must be deemed as a 'serviceable' pole based on most recent inspection results. Pole will be deemed unsuitable if the visible condition of the external wood between ground and 4m is damaged or deteriorated
Attachment clearance on the pole (Refer to Table 2 for specific exclusions)	A minimum 2.4m length of the pole is free from any attachment on one face, and this 2.4m length is no less than 2.4m above the ground, and no less than 1.2m below the lowest aerial conductor
Pole loading capacity	Poles with a structural loading limit under 3kN will not be permitted for use
End user Safety	Permitted pole face should not place the end user in reasonably avoidable danger of being struck by a vehicle. The ground surface where an end user would need to stand to operate the charger should be an area where a pedestrian would reasonably access and stand safely
Pedestrian access	Installing the EV charging equipment on any pole face should not reduce (or further reduce) a pedestrian access in a way that would be unreasonable to the public or would restrict use for disabled pathway users

Table 2 – Pole Selection Criteria

Pole Description	Distribution Business Selection Outcome
Wooden LV Pole	Preferred
Concrete LV pole	Preferred
Impacted by an Internal or Contestable Project	Consultation required
Poles with an existing third-party antenna installation	Consultation Required
Staked & Limited Life Poles (Marked with an X)	Prohibited
Steel Public Lighting Pole	Prohibited
HV Poles (11kv and above) with Existing Switches (Manual, Remote or Automatic)	Prohibited
Transmission or HV UG/OH Riser (CHP) Or Earth Down Lead Cable Attached	Prohibited
Transmission/Sub-Transmission Pole	Consultation required
Concrete Transmission/Sub-Transmission Pole	Prohibited
Concrete LV/HV poles	Consultation required
Pole with Distributors' external Earth wire installed	Prohibited
Pole-Top Transformers	Prohibited
HV Cable Head pole	Prohibited
Transmission or HV Earth Down Lead Cable Attached	Prohibited
HV only pole	Prohibited
Frangible slip based / impact absorbent Poles;	Prohibited
Hinged poles	Prohibited

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Poles which are not owned by CitiPower/Powercor

N/A

Optimal location considerations

In conjunction with table 1 and 2 the following should also be considered in the determination of an appropriate location:

- Pole mounted EVCI should be installed on the footpath facing side of the pole wherever possible, however all sides of the pole can be considered provided the pole setback from curb reasonably considers end user safety
- Where the selected pole has a set back from the curb of less than 500mm, pole mounted EVCI can only be mounted on the footpath facing side of pole
- The installation shall comply with all CitiPower, Powercor and United Energy Technical standards
- CitiPower, Powercor and United Energy will have final approval on what is deemed as safe and suitable location for the placement of a pole mounted EVCI. The personnel processing the request should engage the Network Safety Team, if they are concerned about network or public safety due to any installation
- The pole mounted EVCI should be neat and vertical from ground to FSD/FOLCB at 4m mark on the pole, some deviation between the top of the charging equipment and the FSD can be considered and approved where appropriate
- To the extent practicable, the FSD must not be installed in a location where it can be struck by street traffic, or poses an unnecessary safety risk to personnel working on the installation

If the installation cannot reasonably comply with any of the above, then a licence should not be approved.

It is deemed to be the Customer's responsibility to liaise with Council, to comply with Council requirements, perform any required community consultation and to comply with road safety legislation. It is the Customer's responsibility to obtain Council approval for the location.

Conditions for attachment:

The below points must be considered for the approval of a pole mounted EVCI on distributor owned assets.

- All specific equipment designs must be approved for use prior to installations. If the Customer changes the equipment design, they will be required to seek re-approval
- Third parties seeking to install pole mounted EVCI must have an active PAA in place
- All pole mounted EVCI installations must have a corresponding access license issued by CitiPower/Powercor/United Energy for each individual site prior to any work occurring on site

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- The installation should not create an additional safety risk as far as practicable
 - The equipment shall be constructed and erected in such a way that it can be removed by the distributor under urgent fault or emergency conditions
 - The equipment shall be permanently labelled to identify the EVCI owner and the 24-hour emergency number. The contact number must be located on the external casing of the EV charger and be visible from ground
 - Works undertaken must be performed by appropriately qualified persons who have been given clear written directions by the shared user to perform the works
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Installation to pole:

In addition to the approved design, the installation must include or meet the following on site:

- The pole mounted EVCI must be mounted 600 mm from ground level to the bottom of the installation unless otherwise approved by the Distributor
 - All electrical materials used must comply to Australian Standards
 - The installation must be confined to a single face of the pole where possible, and be tidy and minimalistic in design
 - A clear and durable label (preferably Traffolyte or similar) must be attached to FSD stating 'EV CHARGER'
 - The pole mounted EVCI installation must be securely fixed by coach bolts to a wooden pole and 'Band-it' or equivalent metal strapping and fixings to a concrete pole
 - The earth cable is deemed to be an electrical cable by Energy Safe Victoria; the earth cable route must be captured in the as-built submitted to the distributor at the connection stage. A basic cable plan must be printed on an indelible label stored in or on the equipment.
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Installation diagrams

The customers as-built diagrams must align to Distributors earthing template to enable upload into Distributors GIS and to ensure the safe and reliable recording of electrical cable