

Electric vehicles: a guide for new charging connections

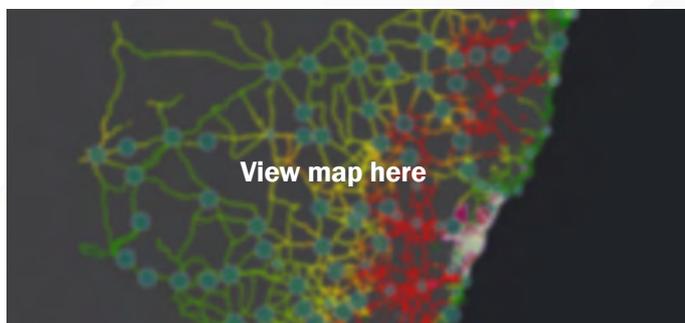
We look forward to welcoming you to our network as we work together to integrate electric vehicles (EVs) into our communities and daily lives.

This information sheet is designed to provide guidance on how we can support and facilitate your desire to establish an electric vehicle charging connection, and to assist you in gaining a better understanding of our extensive network. This will help to identify where your charging connection can be located to optimise its efficiency for you and the convenience of those accessing it.

Selecting your site

A range of tools is available to help you with the selection of a site for your EV charging connection. This includes publicly available data sets that provide high-level information on the potential availability of network capacity, locations of network assets, and the supporting infrastructure preferable for EV charging connections. These data sets include:

1. NSW Maps: this NSW Government tool presents a list of 'optimal' locations and allows you to select different data sets to inform your early planning. These include the placement of existing charging infrastructure, approved future charging infrastructure, fast food and fuel station locations, tourist points of interest, traffic volumes and more.



2. Essential Energy's Estimated Network Capacity Map: a network-specific capacity tool* that is designed to assist in identifying the most suitable locations for EV charging on our network. [Click here to view map.](#)

**Please use this map knowing it should not be relied on to make any commercial decisions because the reliability of our data is still being developed. Data supplied here provides an estimated capacity for each substation. It must be noted that other considerations are made with regards to the capacity. Distance from the substations, cable constraints and existing applications are not taken into account. Please also note that this does not replace Dial Before You Dig or Look Up and Live systems.*

Enlisting expert support

We highly recommend engaging an electrical professional or Accredited Service Provider (ASP) to assist you in preparing your application for connection as it will streamline the process. There is a list of ASPs available on the NSW Department of Climate and Energy Action's website that you can refer to, with separate listings for ASPs who are accredited to perform different types of connection services:

Level 1: Construction of network assets, for overhead and underground construction work on distribution and transmission networks;

Level 2: Service work and connection services, for construction of service lines between the distribution system and the point of connection to the premises;

Level 3: Design of network assets.

Which level(s) of ASP will my connection require?

If your connection will require the construction of network assets resulting from a standard connection offer, you will be required to engage Level 1 (construction) and Level 3 (design) Accredited Service Providers.

If our network has capacity at the chosen location, you will only require a service connection under a basic connection offer. This will require the engagement of a Level 2 (service) ASP.

[NSW GOVERNMENT ASP PAGE.](#)

You can also call Service NSW on 13 77 88 to be provided with the names of potential ASPs servicing the area in which you are interested in establishing your EV charging station.

How to connect to our network

- 1. Obtain your NMI (National Metering Identifier):** you may have one of these already, but if not you will need to contact your chosen energy retailer to request a new connection. Your retailer will then liaise with us to request the allocation of your NMI and advise you once this step is completed.
2. If you know what you need and have all the information required to establish a connection (including the best site location for your charger) your ASP should submit a **Connection Application**.
3. If you require information about your preferred site before submitting your Connection Application, you can request a **Connection Enquiry**:
 - > We recommend that you engage your ASP to assist you through the connections process and submit your Connection Enquiry on your behalf, including the information listed below;
 - > On receipt of your Connection Enquiry, we will estimate the costs associated and provide the estimate to you via the Essential Connections Portal. This process generally takes up to 10 days;
 - > Following your acceptance of the cost estimate and payment, we will complete the planning assessment and provide the response. This may take approximately 21 days.

What will I need for my Connection Application or Connection Enquiry?

- > The proposed connection address and location, marked on a map
- > Your expected calculated maximum demand for electricity (measured in Amps)
- > The type and number of chargers you would like to connect
- > Details of any existing infrastructure available on the site, such as National Metering Identifiers (NMIs) or existing connections points – which can be located on an electricity bill from your retailer
- > Your NMI

For more information

For information about the types of charging visit the [Electric Vehicles Connections page](#) on our website.

For more information about preparing a Connection Application, please visit our [Support page](#).

To speak with an electric vehicles Connections contact, please email us at EVs@essentialenergy.com.au

