# Building assessment for EV charging - request form template

We are considering the installation of electric vehicle charging in our building.

We are seeking a quote to carry out an assessment and site audit of our building, which considers the impact of future EV charging on energy use with particular attention to: [strike out as necessary]

* existing circuit breaker sizes
* maximum capacity of the building
* historical peak energy loads and advice on how to minimise peak demand charges
* historical off-peak energy usage patterns and available power for off peak EV charging
* spare load capacity for future EV charging based on different consumption scenarios
* possible locations for any additional distribution boards
* consideration of previous and future energy efficiency projects to reduce load and create extra electrical capacity.

We are also seeking advice on: [strike out as necessary]

* load control, including upgrading the electrical service as a last resort, to ensure sufficient electrical capacity for the site
* modifying the electrical panel to create circuits as required
* running cable to connect the charging supply equipment with the switchboard, sometimes on a different level to the electrical service
* options for including solar panels and / or battery storage.

Building details

Name: [building name]

Contact: [name] Phone: [number]

Address:

Size: [m2 + number of floors] Parking levels: [number]

Tennant car spaces: [number] Common/ visitor car spaces: [number]

Expected EVs to be charged:

Next year: [number] Next 3 years: [number]

Electricity bill details:

Provider: [name] Account Number: [number] NMI [identifier]

Preferred electrical contractor: [name and contact details]

The options we are considering are: [strike out as necessary]

* reusing some existing power circuits and meters
* simple installation of power point, e.g. a 10 amp or 15 amp general purpose outlet or low capacity charging
* using some shared spaces for high capacity charging
* providing charging to tenant car spaces.

Our building has already undertaken the following energy efficiency projects: [strike out as necessary]

* upgraded fluorescent / halogen / metal halide / mercury vapour lights in common area to LED equivalents with occupancy sensors where practical
* installed carbon monoxide (CO) sensors to control car park ventilation systems
* optimised condenser water systems (where present) with variable speed drives (VSD) and modern control systems
* installed solar photovoltaic (PV) panels to offset of electricity consumption
* installed battery storage
* other energy efficiency projects (please specify)