# Building energy assessment for EV charging - request form

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

We are seeking a quote to carry out an energy assessment and site audit of our building, which considers future EV charging with particular attention to: [strike out a 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 additional distribution boards
* consideration of energy efficiency projects to either reduce load and/or create 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] SP: [number]

Contact: [name] Phone: [number]

Address:

Apartments: [number] Parking levels: [number]

Owner car spaces [number] Common property 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 common property car parking or other spaces for high capacity charging
* a modular approach by installing electrical infrastructure to selected car spaces as demand increases
* provide infrastructure to the whole of our building, to support EV charging at most of our car spaces in advance of demand.

Our building has already done 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
* upgraded resistive electric pool and spa heating to electric heat pump
* installed solar photovoltaic (PV) panels to offset common property electricity consumption
* installed battery storage
* other energy efficiency projects (please specify).