

In relation to:

Huddersfield Giants
Laund Hill,
Salandine Nook,
New Hey Rd
Huddersfield
HD3 3XF

23rd October 2023.

Dear Sir, Madam,

Scope of works:

I am writing to you in relation to a previous investigation to ascertain whether the above site has suitable spare electrical capacity to connect 10x EV charging points.

We have assumed each of the above EV charging points to have 1x 32A/7kw single-phase socket outlet. With this we would calculate the max demand with all chargers in use, could present an electrical load of up to **130A** per phase. Should there be a need for the EV points to have twin socket outlets, this load could increase to circa **230A** per phase.

We should also assume that any EV charging points will be used at peak times alongside the building equipment and floodlighting.

Investigation:

Following our visit to site, we can confirm the site has a **100A** (max) three phase incoming supply, currently used to power the existing building consisting of an upstairs gym, air conditioning and a new LED floodlit sports facility amongst other equipment. The demand on the building is relatively high at peaks times as the report sent alongside this letter states.

These readings were recorded before the additional 30A per phase load of the LED floodlighting was connected.

Conclusion:

With the proposed loading of the EV chargers being larger than that of the existing incoming supply, and with the demand on the building already being quite high, it will not be possible to connect any EV charging points at this location.

A new, dedicated electrical supply will need to be brought into the site should any number of EV charging points be installed.

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