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Ref: 4124LE.L004.A

Date: 2 August 2022

Dear Helen,

Note on Electric Vehicle Charging Points (EVCPs) - Lidl Hoyland - 2022/0194

This note has been prepared to provide information and justification on Lidl's EVCP strategy as part of the proposed new store at Lidl Hoyland under reference 2022/0194.

As you are aware, the current planning policy position comes from the Council's Sustainable Travel SPD which states that 10% of parking for commercial/retail units should be provided with EVCPs; this amount is consistent with the Council's Air Quality and Emissions Good Practice Planning Guidance.

Planning application 2022/0194 proposes a total of 107 parking spaces and therefore the requirement under policy is for 11 EVCPs when rounded.

However, the policy guidance does not state the power required for each EVCP and therefore the usual approach for developers and new schemes is to install standard 7kW chargers. Whilst car battery sizes vary, 7kW chargers can charge 3 vehicles from 0% within 24 hours on average. These 'slow chargers' are considered relatively ineffective to meet the needs of consumers who will be shopping at the future store and may require a significant charge within the time it takes to undertake supermarket shopping.

As such, Lidl's approach to EVCPs is to install 50kW chargers that are five times more powerful and therefore five times quicker. These chargers can charge 48 vehicles from 0% within a 24-hour period from just two car parking spaces; the equivalent of one car every 30 minutes.

The result of using these fast chargers means that more vehicles can be charged when compared to the standard slow chargers. For example, 11 EVCPs as per the policy requirement would charge a total of 33 vehicles over a 24 hour period compared to the 48 vehicles that a dual fast charger would be able to achieve. The result is that the proposed EVCPs exceed the capacity of the slow charging spaces required by policy. The two 50kW spaces therefore demonstrate a 15% EVCP policy equivalent provision. The table below shows these calculations.

Type of Charger	Charges per space (24 hr)	No. of spaces	Total charges per 24 hour
7kW 'slow charger'	3	11 (if policy compliant)	33
50kW 'fast charger'	24	2	48
Difference	+21	-9	+15

In addition to this, Lidl have proposed passive infrastructure provision for EVCPs for a further 20% of the parking spaces should future demand require it. Any additional spaces brought forward in the future are intended to be served by the standard 7kW chargers.

The proposals therefore exceed the aims of the SPD and provide a 7kW equivalent of 15% EVCPs through the provision of two 50kW chargers. This will then be further exceeded should any of the passive EVCPs be converted.

This approach demonstrates Lidl's commitment to be a front runner in the strategic implementation of EVCPs in order to help the transition to a low carbon future and meet the demands of climate change. We therefore trust that this explains the provision of EVCPs under application 2022/0194 and demonstrates that it is policy compliant.

Yours sincerely



William Marshall
Senior Planner
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