




21<sup>st</sup> July 2021

***ReDirect Recycling Facility, 25 Dunheved Cct, Smithfield – Response to Endeavour Energy's Submission***

This letter is to address comments by Endeavour Energy on the proposed development at 25 Dunheved Cct (SSD 10474).

Endeavour Energy provided a map and list of electricity infrastructure on the site:

- Easements benefitting Endeavour Energy (indicated by red hatching) for 11,000 volt / 11 kV high voltage underground cables, an indoor substation and a padmount substation;
- Low voltage and 11,000 volt / 11 kV high voltage overhead power lines (including a pole mounted substation indicated by the symbol ) traversing the site not held under easement;
- An extended service line/customer owned pole (indicated by the green circle) to the customer connection point on the existing facility / building; and
- Low voltage and 11 kV high voltage overhead power lines to part of the road verge / roadways.

Endeavour Energy had two concerns:

1. Whether the proposed development has the potential damage or impact nearby electricity infrastructure; and
2. Whether the nearby electricity infrastructure may pose a fire risk to the proposed facility.

Impact of proposed development on electricity infrastructure

The proposed development involves no changes to the building or the driveway that is next to / over the electricity infrastructure. There will be no construction or demolition at the site that could impact the electricity infrastructure.

The building use has not changed. In fact, the amount waste accepted at the facility is less than a half of what was previously approved. Consequently, the traffic along the driveway will be approximately have what was previously approved.

All operations will occur inside the warehouse building. No equipment will operate near the electricity infrastructure and no waste materials will be stored outside. Due to the fact that no external waste storage will occur, in a scenario where electricity lines fail and make contact with ground, there will be no waste or combustible materials available that could otherwise act as an ignition source near the live electricity lines.


#### Impact of electricity infrastructure on the proposed development

The Endeavour Energy submission expressed concern that dust from the proposed recycling facility could catch fire by coming into contact with the electrical equipment.

This is considered to be a highly unlikely scenario. All processes that could generate dust will occur inside the warehouse building, with dust being suppressed using an existing misting system. As detailed in the Air Quality Impact Assessment, dust emissions outside the warehouse building are very low, even if the facility is operated with the warehouse doors open. The probability of dust escaping the facility to reach a critical concentration around any nearby electricity infrastructure to catch fire is considered extremely unlikely.

I trust this addresses the issues raised in Endeavour Energy's submission.

Yours sincerely,



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