



Electricity Capacity Report

**Premier House
Daux Road
Billingshurst**

15/02/2024

PES PROJECT NO.

XXXXXX

ISSUE NO.

1

STATUS

For Information

Utility Search
Electricity Capacity Report



1. Introduction

This report investigates the electricity capacity status in and around the proposed development at Daux Road, Billingshurst.

The report is based on the information provided by the client about the proposed development and data available from utility companies. The information contained in this report is based solely on desk research undertaken on 15.02.24.

2. Electricity Capacity Status

The electricity network companies referred to in this report are.

- Scottish and Southern Electricity Networks (SSEN), a Distribution Network Operator (DNO)

2.1. Distribution substations.

Distribution substations are sited close to local load centres and transform electricity from High Voltage (HV) to Low Voltage (LV). Whilst most are Ground Mounted (GM), in rural locations they can be sited on poles and are termed Pole Mounted Transformers (PMT).

In general, a GM substation can have a maximum capacity of 1MVA, although many are smaller, and can serve up to 500 customers. PMT's have much smaller capacities. It is sometimes possible to connect smaller new loads directly to an existing distribution substation.

2.2. Primary Substations.

Primary substations transform electricity from Extra High Voltage (EHV) to HV.

There is one primary substation within the vicinity of the site, see Map 1. The local area is currently supplied from the Billingshurst Primary substation. The current capacity situation at the primary substation is summarised below.

Primary Substation	Operator	Current capacity	Headroom
Billingshurst	SSEN	10 MVA	2.1 MVA

All DNO's have to publish a Long-Term Development Statement (LTDS), which forecast the anticipated network capacity and headroom based on a range of load growth scenarios.

3. Enquiries from other applicants

It should also be noted that there have been numerous enquiries for connection in this area with 2 applications totalling 3.6 MVA.



4. Summary


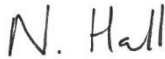
From information currently available we have assessed the risk associated with a new connection as;

Network Headroom	
Green	There is 2MVA of electrical capacity in the local electricity network

Competing enquiries	
Red	There are a few other applicants enquiring about capacity in this area.

Electricity networks are dynamic systems with new connections and system development changing the available headroom and capacity regularly. Therefore, it must be clearly understood that the information given in this report is a snapshot in time and could be superseded. It is strongly recommended that formal applications are made to accurately determine the likely timescale and costs.

5. Report Approval

	Prepared by	Approved by
Signature		
Name	Tom Coulson	Nigel Hall
Role	Mapping & Data Manager	Director
Date	15.2.24	15.2.24

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