

<b>Reference:</b>	FOI.3500.20
<b>Subject:</b>	Carbon footprint of cataract surgery
<b>Date of Request:</b>	3 July 2020

**Requested:**

1. How large is your typical cataract OT, in square meters?
2. How much electricity (kWh) does your hospital, as a whole, use in one typical month?
3. What is the total floor area (in square meters) of your hospital? (This value may be found when looking for the electricity data above.)
4. How much does your hospital pay, per kilowatt hour (kWh), for electricity purchased from the "grid" or local utility company? (local currency: GBP/kWh)
5. Percentage of energy from renewable sources
6. Percentage of electricity from regular diesel generator use
7. How far does your solid waste typically travel?
8. How much does your hospital pay to dispose of its waste? (local currency: GBP/kg)
9. If laundry is done externally, what is the cost per kilogram of laundry? (local currency: GBP/kg)

**Response:**

Hywel Dda University Health Board (UHB) provides the following information based on Glangwili General Hospital, as its largest acute site.

1. The UHB confirms the size of theatre five (5), which is used for cataract surgery, although not dedicated specifically for this purpose, is 42.4 square metres (m<sup>2</sup>).
2. The UHB confirms in the financial year 2019/20, the monthly average electricity usage was 603,550 kilowatt hours (kWh).
3. The UHB confirms the total floor area is 48,750 m<sup>2</sup>.
4. The UHB confirms its current electricity rate for the financial year 2020/21 is £0.118 per kWh during the day and £0.102 per kWh during the night.
5. The UHB confirms its percentage of energy from renewable sources is approximately 20%.
6. The UHB confirms its percentage of electricity from regular diesel generator use is 0%.
7. The UHB provides, within the table below, the areas and approximate distances its solid waste is transported to.

<b>Type of waste</b>	<b>Area</b>	<b>Distance (approx.)</b>
Clinical waste	Bridgend	50.6 miles
Sharps	Avonmouth	101.8 miles
Domestic waste	Merthyr Tydfil	61 miles

8. The UHB confirms, for the financial year 2019/20, the average cost of clinical waste disposal was £0.312 per kilogram (kg) and domestic waste disposal was £0.171 kg.
9. The UHB confirms it has an internal laundry service.