

# The Courtauld

## Utilities Consumption and Carbon Emissions Monitoring

### 2023/24 vs 2022/23

Estates and Facilities monitors monthly, utilities consumption (electric, gas and water) across the three premises occupied (Somerset House, Vernon Square and Duchy House).

Table 1 overleaf summaries The Courtauld's consumption usage for the academic year 2023/24 (August to July) in comparison to the preceding year 2022/23.

The Courtauld remains committed to managing its carbon emissions and delivering a reduction in its greenhouse gas emissions by 2050.

The Courtauld's overall kWh consumption and subsequently its Scope 1 and 2 carbon emissions for the year 2023/24 decreased by approximately 7% in comparison to the preceding year.

Our reported decrease in consumption in comparison to 2022/23 is due primarily to an overall reduction in consumption of electricity by 4% and gas by 10%. This was achieved in part due to a reduction in the total number of heating days (2,404) and cooling days (158) in comparison to 2,434 and 199 days respectively in the preceding year leading to a notable 13% decrease in our gas consumption at our Somerset House premises.

In total, The Courtauld consumed 3,026,832 kWh of energy (1,440,130 kWh of electricity and 1,586,402 kWh of gas) for 2023/24 (3,258,574 kWh for 2022/23), generating 581 tCo2e (624 tCO2e for 2022/23, adjusted from previously reported figure of 611 tCO2e). This represents a decrease of 43 tCo2e compared to the preceding year.

Our Somerset House premises consumed a total of 2,109,998 kWh for the year, a decrease of 209,604 kWh due to using less of both gas (150,701 kWh) and electricity (58,904 kWh).

Our Vernon Square premises consumed a total of 641,633 kWh for the year, a decrease of 11,643 kWh due to using less gas as electricity consumption was up 2,071 kWh on the preceding year.

Our Duchy House premises consumed a total of 275,201 kWh for the year, a decrease of 10,492 kWh achieved primarily due to consuming less gas.

We continue to monitor and optimize the operation of mechanical plant servicing the Gallery to balance the need to maintain environmental conditions 24-hours a day, in accordance with the requirement to meet the parameters of the Government Indemnity Scheme's environmental standards which The Courtauld is required to adhere to.

Whilst we cannot report on our total Scope 3 carbon emissions for 2023/24, we can confirm details on our water consumption usage. For 2023/24 our water usage generated 4.617 tCo2e based on a consumption of 11,135 m3 compared with 4.253

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tCo2e and 10,103 m<sup>3</sup> for 2022/23, thus an increase of 0.364 tCo2e and 1,032 m<sup>3</sup> equivalent to c283 litres per day.








Electric, Gas, Water - 2023/24 vs 2022/23 - Year to Date Q1 to Q4				
	2022/23	2023/24	Progress	Increase / Saving
Electricity consumed	1,498,166 kWh	1,440,430 kWh		- 57,736 kWh
Gas consumed	1,760,405 kWh	1,586,402 kWh		-174,003 kWh
Total energy consumed	3,258,571 kWh	3,026,732kWh		- 231,839 kWh
Degree Heating Days	2,434 days	2,404 days		30 days less
Degree Cooling Days	199 days	158 days		41 days less
Water consumed	10,103 cu m	11,135 cu m		+ 1,032 cu m
Total tonnes of carbon	628.19 tCO <sub>2</sub>	585.38 tCO <sub>2</sub>		-42.81 tCO <sub>2</sub>
Data compiled - 20 August 2024 - HoEF				

Table 1:

**Head of Estates and Facilities**  
**21 October 2024**