

Carbon Emissions Inventory 2023–24

Kings College London

Table 1: Total scope 1 and 2 carbon emissions

Alongside the calculation of our Scope 1 and 2 emissions for the 2023–24 academic year, an audit was undertaken of our carbon emissions data and calculations from the baseline year of 2018–19 to present, in order to align to the Standardised Carbon Emissions Framework (SCEF). The following table represents a restatement¹ of our annual Scope 1 and 2 emissions, including our baseline year, and percentage reduction from 2018–19 to present.

Metrics	2018–19 (baseline)	2019–20	2020–21	2021–22	2022–23	2023–24
Scope 1 & 2 carbon emissions (tonnes)	32,857	27,752	26,228	25,207	27,632	26,216
Scope 1 & 2 reduction v. baseline (location-based)		-16%	-20%	-23%	-16%	-20%

Table 2: Detailed scope 1, 2 and 3 carbon emissions

Table 2 depicts the restated emissions figures by category for Scope 1, 2 and 3, aligned to the SCEF. A view of current data availability is also summarised in Tables 3 and 4.

Scope	Category	2022–23 emissions (tCO ₂ e)	2023–24 emissions (tCO ₂ e)	Change on previous year (%)
1	1 Natural gas	9,577	9,056	-5%
	2 Fleet	15	8	-47%
	3A Refrigerants & research-based F-gas	-	96	n/a
	4 Other fuels	1,185	769	-35%
2	1A Purchased electricity	14,657	14,478	-1%
	2 Purchased heat and steam	2,198	1,810	-18%
3	1A Purchased goods & services	179,853	225,368	+25%

¹The GHG Protocol offers a number of conditions under which baseline emissions can be recalculated, including changes in calculation methodologies or improvements to data accuracy (re-baselining). Restatement can cover any year but typically not the baseline year and can be beneficial to obtain a more accurate representation of trends.

	1B Purchased water	63	62	-2%
	3 Fuel and energy-related activities	7,200	6,897	-4%
	5A Waste generated in operations	23	8	-65%
	5B Wastewater	68	72	+6%
	6 Business travel	11,550	14,834	+28%
	7B Employee homeworking	2,814	2,780	-1%
	9D Student accommodation (third party, location-based)	2,571	1,914*	-

*Estimated figure due to data availability.

Table 3: Data currently unavailable

Activity data for the below categories is currently unavailable or under review. For those categories under review, these will be restated and incorporated into King's carbon footprint as soon as possible.

Scope	Category	Comment
1	3B VOC	Data currently unavailable
2	1B Electricity from renewables	Data currently unavailable
3	7A Employee commuting	Methodology under review
	9B Student commuting	Methodology under review
	9C Student end-of-term travel	Methodology under review
	13 Downstream leased assets	Data currently unavailable
	15 Investments	Data currently unavailable

Table 4: Categories out of scope

The below categories are currently out of scope for carbon emissions reporting at King's, including some areas where data is currently included in other categories, as stipulated below.

Scope	Category	Comment
1	5 Land-related emissions & livestock	Not applicable
3	2 Capital Goods	Currently included in Scope 3, Category 1
	4 Upstream transport and distribution	Currently included in Scope 3, Category 1
	8 Upstream leased assets	Currently included in Scope 1 & 2
	9A Downstream transport and distribution	Not applicable
	10 Processing of sold products	Not applicable
	11 Use of sold products	Not applicable
	12 End-of-life treatment of sold products	Not applicable
	14 Franchises	Not applicable