Emissions breakdown compared with baseline and last year (tCO_2)

Table 1 - emissions by source

Emissions Source	2008-09	2024-25	2025-26	% change since last year	% change since baseline
Electricity (generation)	16,367	3,994	2,829	29% DOWN	83% DOWN
Electricity (transmission)	1,273	353	281	21% DOWN	78% DOWN
Natural gas[1]	9,249	5,195	4,216	19% DOWN	54% DOWN
Burning Oil[1]	1,544	415	444	7% UP	71% DOWN
Business travel[2]	9,081	3,340	2,744	18% DOWN	70% DOWN
Vehicle fleet[3]	138	249	284	14% UP	106% UP
Refrigerants	207	131	86	34% DOWN	59% DOWN
General waste	220	10	8	15% DOWN	96% DOWN
Construction waste	6	32	3	90% DOWN	49% DOWN
Water	711	106	112	6% UP	84% DOWN
Student group travel	739	550	TBC	TBC	TBC
Generator/temp boiler fuel	83	TBC	TBC	TBC	TBC
Total	**39,618**	**14,375**	**11,007**	**23% DOWN**	**72% DOWN**

Overall emissions in 2025/26 saw a decline compared to 2024/26, primarily due to reductions in the electricity carbon emission factor and in gas consumption. Most emissions are down year on year, however, burning oil, vehicle fleet and water are all increased slightly.

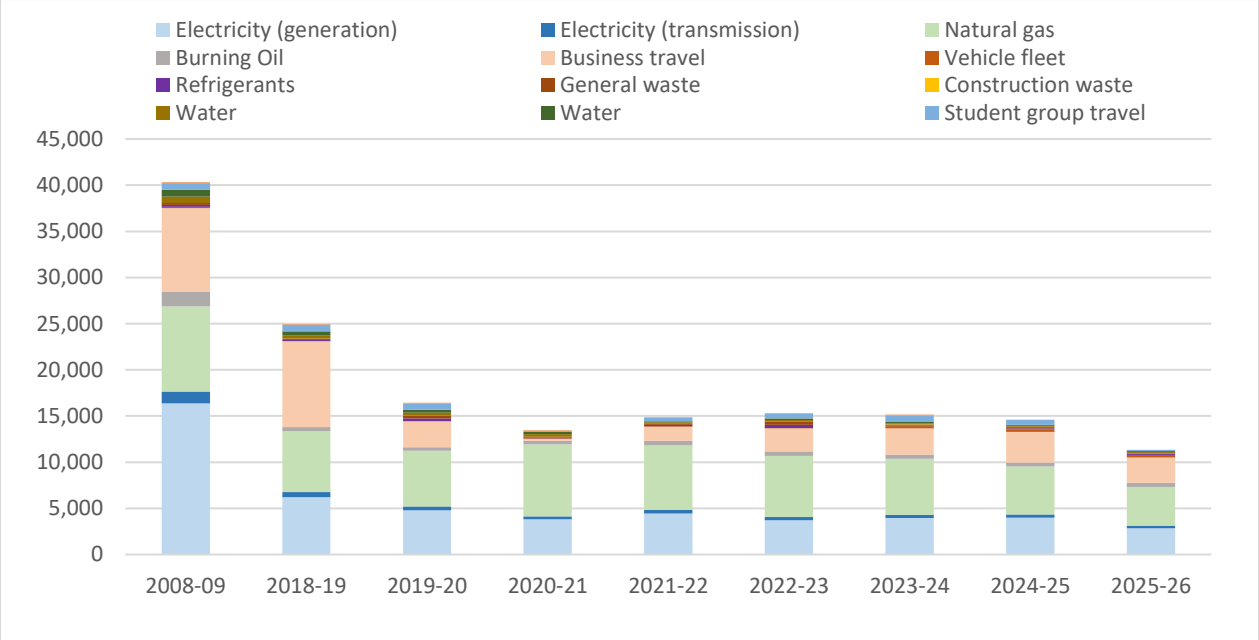
[1] *Gas and oil emissions are degree day adjusted to enable comparison across different financial years*

[2] *Business travel includes radiative forcing for air travel*

[3] *Some fleet emissions have previously been included within business travel, which has been corrected*

Table 2 - emissions by scope

Emissions Scope	2008-09	2024-25	2025-26	% change since last year	% change since baseline
Scope 1	11,221	5,990	5,030	16% DOWN	55% DOWN
Scope 2	16,367	3,994	2,829	29% DOWN	83% DOWN
Scope 3	12,030	4,391	3,148	28% DOWN	74% DOWN
Total	**39,618**	**14,375**	**11,007**	**23% DOWN**	**72% DOWN**



Emissions breakdown comparison to SBTi principles

The University's Net Zero Plan committed to aim to align with the principles of the Science Based Targets Initiative (SBTi) by publishing comparisons against a 2015/16 baseline across all scope 1 and 2 emissions and against a 2023/24 baseline for all scope 3 emissions, which is set out in Table 3.

Table 3 – scope 1 and 2 emissions comparison by scope to SBTi principles

Emissions Scope	2015-16	2024-25	2025-26	% change since last year	% change since baseline
Scope 1	7,772	5,990	5,030	16% **DOWN**	35% **DOWN**
Scope 2	10,720	3,994	2,830	29% **DOWN**	74% **DOWN**

The timing of publication of scope 3 data means 2025/26 comparisons are not yet available, however 2024/25 comparisons are as follows:

Table 4 – scope 3 emissions comparison by scope to SBTi principles

Emissions Scope	2023-24	2024-25	2025-26	% change since last year	% change since baseline
Scope 3	86,276	79,980	TBC	7% **DOWN**	7% **DOWN**

Energy breakdown compared with baseline and last year (kWh)

Table 5 - Delivered Energy (including self-generation)

Energy Source	2008-09	2024-25	2025-26	% change since last year	% change since baseline
Electricity[1]	32,992,429	23,031,016	23,135,273	0.5% **UP**	30% **DOWN**
Natural gas[2]	50,274,695	28,404,333	23,124,484	19% **DOWN**	54% **DOWN**
Burning Oil[1]	5,584,336	1,682,449	1,799,331	7% **UP**	68% **DOWN**

[1] 2024-25 electric value updated to include CHP consumption

[2] Gas and oil emissions are degree day adjusted to enable comparison across different financial years

In 2025/26, electricity consumption increased slightly, but gas dropped dramatically. This is due to the shutdown of the CHP.

Primary Energy

To allow for continued effective consumption monitoring, electricity, oil and gas use have been considered based on their primary source. Acknowledging the illogic of simply adding kWh consumption of these different utilities together; primary conversion factors were applied to arrive at the energy at source for each utility.

To monitor ongoing progress in energy consumption, we normalised usage based on weather (heating degree days), floor area (m²), and factored in the effects of efficiency and transmission losses for each utility. As shown in the figure below, our primary energy consumption has increased slightly by 2.6% compared to 2024/25 but remains 30.9% lower than the baseline year.

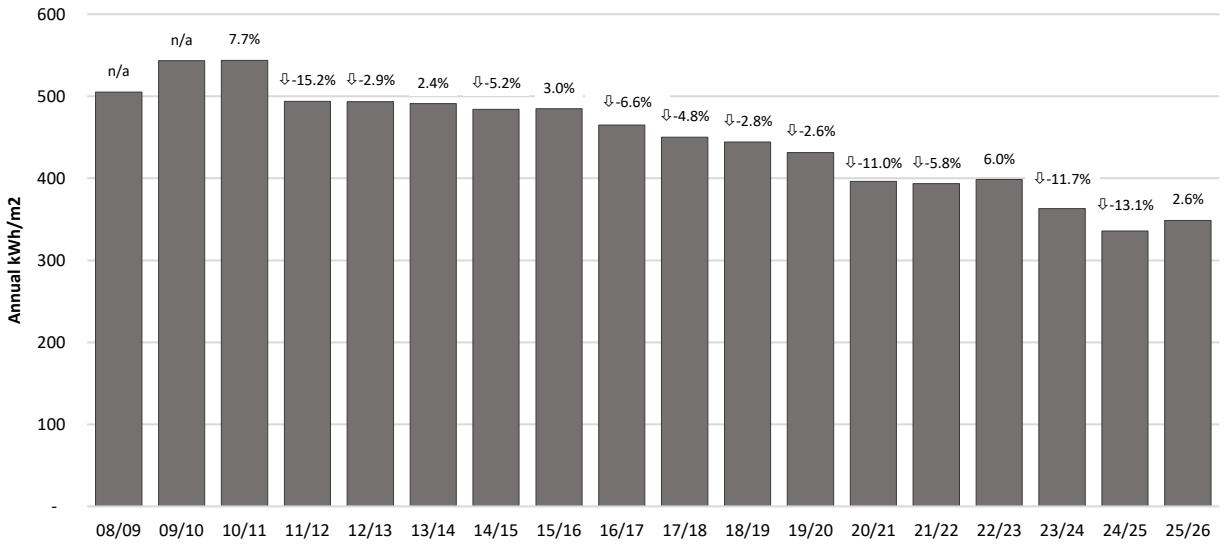
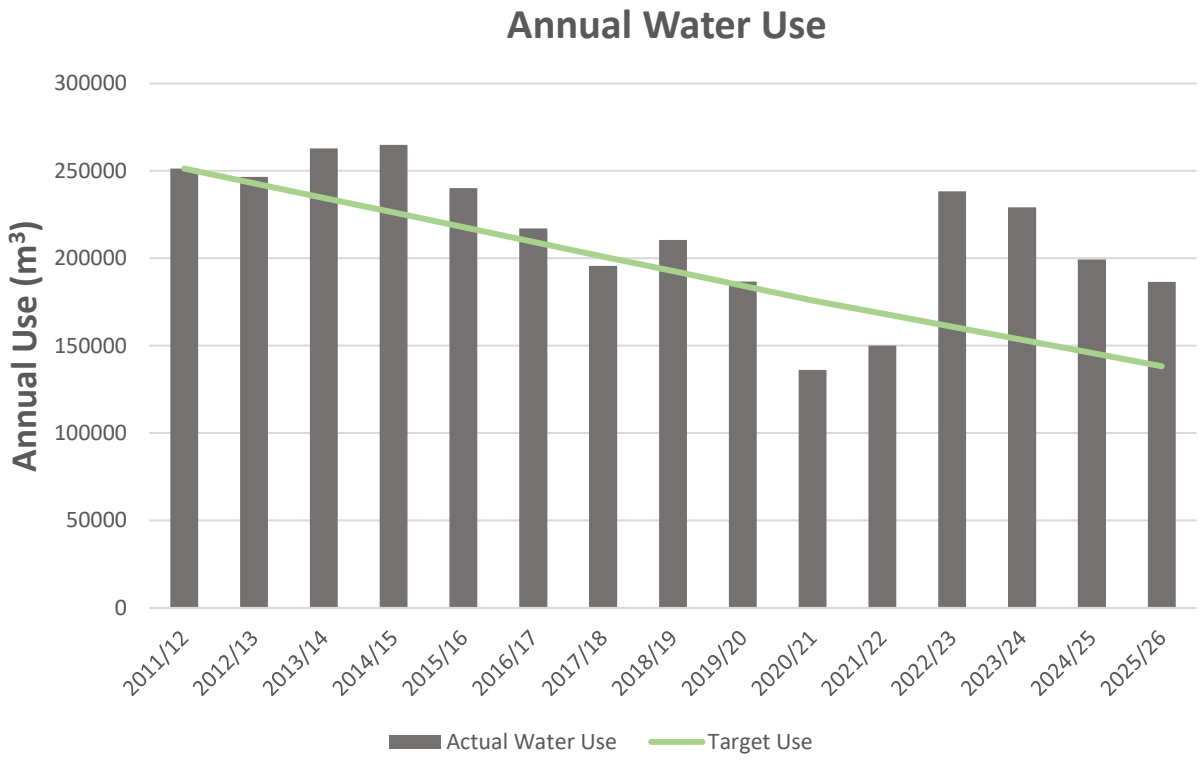


Figure 1 - Normalised primary energy use per m²

Water use compared with baseline and last year (m^3)

Table 6 - annual non-residential water consumption

	2011-12	2024-25	2025-26	% change since last year	% change since baseline
Use - excluding Halls (m^3)	251,341	199,389	186,604	6% **DOWN**	26% **DOWN**



Grey and rain water re-use systems are installed in the University's Berrybrook and Health and Life Sciences buildings, which help reduce demand from the mains water supplies.

Table 7 - annual grey and rainwater re-use

	2011-12	2024-25	2025-26	% change since last year	% change since baseline
Water re-use systems (m^3)	-	741	933	26% **UP**	n/a