

TRENDS IN ENERGY & WATER CONSUMPTION 2003 TO 2017

Short Summary

OUR ENERGY CONSUMPTION HAS BARELY INCREASED OVER THE PERIOD

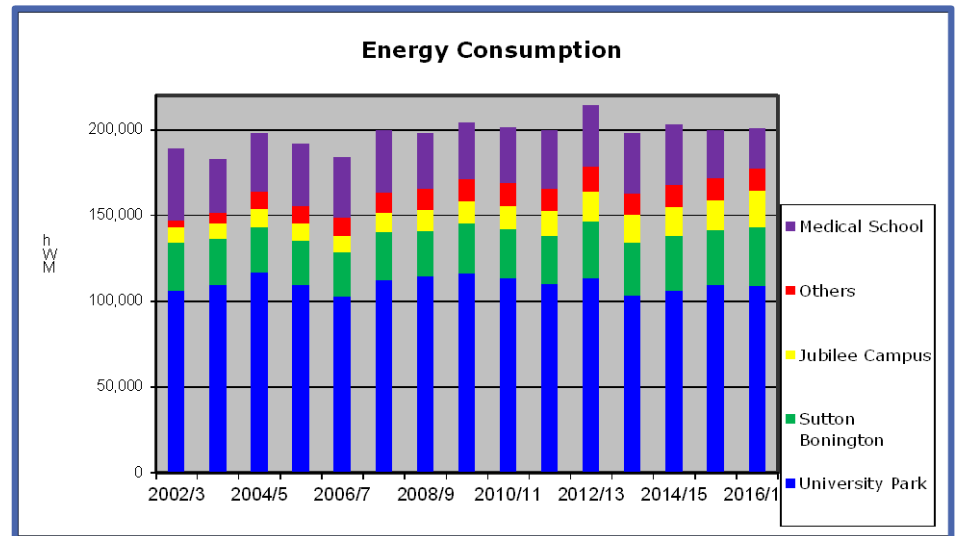
Overall energy consumption is up by 6% since 2002/3, but has decreased by 2% between the 'base year' for carbon reporting of 2009/10 and the present.

This is despite the considerable developments at Jubilee Campus, the acquisition of the King's Meadow Campus, and growth at University Park and Sutton Bonington.



The chimney for the main boilerhouse at University Park

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Floor area increased by 48% over this period

Gross floor area was 450,780m² in 2002/3, rising by 28% to 577,870 m² in 2009/10, and reaching 668,230 m² by 2016/17.

Electricity consumption has risen...

There were considerable rises in the early years, with consumption up 27% between 2002/3 and 2009/10, but only rising another 2% to the present day.

.. but gas consumption is down overall

Whilst there were increases at Jubilee Campus (new buildings) and Sutton Bonington (installation of gas-fired CHP)

these were outweighed by savings at University Park and the Medical School. The total reduction in gas usage is 6% since 2002/3.

Our water consumption is also down, by a total of 2% since 2002/3

Our consumption last year was 805,338 cu.m., but has varied between 700,000 and 900,000 cu.m over the period. This is an area where we could improve performance further, particularly with regards to reducing leakage.

Our renewable energy capacity is now 1,148kW

Most of this is photovoltaic (630kW), and was installed after 2002/3, when we just had 60kW of PV at Jubilee.