

## University of the Arts Energy & Water Policy 2022

### Version 10 (Feb 2022)

The University of the Arts London Energy & Water Policy has been drafted in conjunction with complimentary strategies that promote environmental sustainability (<http://www.arts.ac.uk/about-ual/sustainability-at-ual/sustainability-documentation/>). The University re-launched its Carbon Management Plan (CMP) in 2013 and the university achieved its goal of reducing carbon emissions by 43% by July 2020 (from the 2011/12 baseline).

The University is committed to reducing its carbon emissions. UAL commits to two clear and feasible targets, recognising the climate emergency is one of the most urgent problems facing society and the planet, our current understanding of the issues at hand and the interventions we believe will make a meaningful impact following consultation and detailed analysis. UAL's targets are;

1. for the emissions we control directly (our scope 1 & 2 emissions), net zero no later than 2030, with an ambition to reach a 92% reduction by 2030
2. for the emissions we can influence (our scope 3 emissions), net zero no later than 2040, with an ambition to reach an 54% reduction by 2040

In 2030 and 2040 the university will consider approaches to carbon offsetting that are consistent with an institution committed to promoting climate justice across the world.

The University is committed to providing resources to meet these targets. The CMP outlines that the total implementation costs are estimated to be **£660,000** at the time of drafting. The cumulative financial Value-at-Stake that the University would be confronted with under a 'do nothing' scenario has also been considered - the buildings considered as part of the CMP cost nearly £4M in terms of gas, electricity and fuel oil per year and in 2029/30 this demonstrates that the financial Value-at-Stake associated with inactivity is £4.8M.

To ensure refurbishments and new-build projects are as energy efficient as possible, the University has drafted a 'Design Brief for Sustainability' that commits all refurbishments to SKA 'gold' and all new build schemes to BREEAM 'outstanding' in conjunction with a CIBSE Technical Manual 54 (Evaluating Operational Energy Performance of Buildings at the Design Stage) report to forecast future utility expenditure. The University delivered its first BREEAM 'outstanding' building in 2014 at Wimbledon College of Art, saving £236,000 in averted utility costs over a 25 year lifecycle.

To measure direct emissions the University created a bespoke 'monitoring & targeting' system to ensure utility consumption is proactively managed. The system is called the 'Carbon Dashboard' and all consumption information is freely available to any member of staff, student or member of the public via <https://www.arts.ac.uk/about-ual/sustainability/carbon->

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[dashboard](#). The dashboard actively monitors 131 supply points covering electricity, gas and water consumption across all 14 academic sites and 3 residential sites. Using regression analysis and CUSUM calculations, the University is able to set reduction targets based on historical consumption whilst factoring proactive actions that have occurred to drive down utility use. The regression analyses are regularly reviewed so that targets are up to date. Each Facilities Manager receives a monthly energy consumption target, adjusted for changes in external temperatures to ensure the ambition is realistic. All sources of indirect emissions are measured on an annual basis and this is reported to the Estates Management Records. These resources provide a framework for setting and reviewing objectives and targets.

The University continues to procure utilities via a flexible framework, appointing The Energy Consortium as its nominated Public Buying Organisation. The flexible framework continues to deliver excellent value-for-money, ensuring the university isn't locked into uncompetitive fixed contracts whilst protecting the University from upward spikes in the wholesale energy market. For the year 2014/15, the flexible framework has contributed to revenue saving of £800,000 against an original forecast for utility expenditure of £4.1M.

University of the Arts London is committed to make available all documentation related to energy consumption and targeting. UAL is also committed to making public any documentation and information regarding utility management and energy planning. University of the Arts London is fully committed to complying with all legal and regulatory requirements relating to energy use, consumption, and efficiency and utility management.

This policy and other related documents have been drafted by the University's Associate Director (Sustainable Operations), a member of the Energy Institute and a Chartered Energy Manager with over 16 years of experience in Utility Management. The University has independent verification of its energy management service and achieved ISO 50001 certification. UAL is committed to continually improve the suitability, adequacy and effectiveness of the energy management system and committed to continual energy performance improvement.

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