

Cardiff University

McKenzie House



As part of Cardiff Universities initiative to look at their current water consumption across their portfolio, Propelair were engaged to carry out a study of their toilets water usage at their administration building, McKenzie House, Cardiff.

Following on from the monitoring and the data recorded, Cardiff University decided to replace all their toilets at McKenzie House with 40 Propelair units.

The 40 Propelair toilets installed bring huge environmental and cost saving benefits, annually Cardiff University will save 5,262,400 litres of water equating to over £16k worth of water bill savings.



- The installation of 40 Propelair toilets will achieve a **90% water saving**
- Annually this will **save 5,262,400 litres of water** (building utilisation = 260 days)
- An annual **carbon reduction of 5,482 kg**



- 5,262,400 litres of water saving = **£16,366 reduction in water bills annually**
- Payback achieved in **2.3 years**

*See table below for flush data, annual savings and payback



- Propelair's unique displaced air technology efficiently **removes all waste with one flush**
- Reduces airborne germs by up to **95%**
- Removes up to **99.9%** of waterborne contaminants

*All figures represent a single Propelair unit

Metered Water Charge	Flushes per Day	Previous Flush Volume	Annual Savings		Payback
			Water	Financial	
£3.11/m3	44	13 litres	131,560 litres	£409.15	2.3 years