

Green Credentials

As an organisation in receipt of public funding, macrobert has a duty to act in the most sustainable manner it can. To help us achieve this we work with Creative Carbon Scotland (www.creativecarbonscotland.com) and are part of their Green Arts Initiative. We recognise the environmental impacts arising from our business – including energy consumption and waste - and we are working to embed sustainability at the heart of our business practice. We look for ways to improve how we manage our building, to increase efficiencies within it, actively promote environmentally friendly policies and to encourage everyone to 'think greener'. Macrobert also recognises that cost savings achieved through its environmental policy also improves the charity's financial sustainability.

Macrobert has its utilities (gas, electric, water) supplied by The University of Stirling. It has its own Electricity and Water meters, with plans to get its own Gas meter as well. Macrobert has made

YOY figures indicate a significant reduction in consumption of utilities :

Water

2010-2011	2011-2012	2012-2013	2013-2014*
8,105 Cub Mtrs	5,926 Cub Mtrs	5,325 Cub Mtrs	5,190 Cub Mtrs

Electricity

2010-2011	2011-2012	2012-2013	2013-2014*
879,493 kWh	902,151 kWh	839,083	790,719*

Gas

2010-2011	2011-2012	2012-2013	2013-2014*
94,025 kWh	87,591 kWh	75,846 kWh	70,449* kWh

- Predicted. University year runs Aug-July

What We Want To Achieve 2014/15

- Separate metering of gas supply
- Annual reductions of between 2.5 and 5% in utilities. Over the next 6 months macrobert will work with the University to check individual circuit boards and see where and why 'off-peak' activity is occurring
- Change dressing room bulbs (272 x 25w) to LED alternatives
- Introduction of LED lights into main auditorium and filmhouse
- Phase out bottled water coolers and replace with mains fed ones

What we already do :

- All printers set to double sided, where possible
- 40% reduction in number of season brochures printed / move towards digital

- Actively encourage people to receive emails rather than letters, brochures and flyers. 20% growth of email lists.
- Cafe bar and kitchen recycle cans, glasses, cardboard and plastic bottles.
- Offices recycle paper, cardboard, envelopes and ink jet cartridges
- We recycle all of our food waste – including paper napkins, wooden stirrers, cardboard holders – which is turned into compostable material.
- We have also introduced low-energy LED bulbs in the café bar area, restaurant, box office foyer, upper foyer and arthouse corridor. (134 in total)
- Foyer toilets – light sensors installed
- Ushers use re-chargeable torches
- Mainhouse and Filmhouse Auditoriums : looking to move from tungsten to dimmable LED lamps
- 30% reduction the amount of print that visiting companies supply us

The University of Stirling

Macrobert's landlord, the University of Stirling, has developed a Carbon Management Plan (2009) to address reducing carbon emissions, promote waste minimisation and reduce the environmental impact of waste to landfill through re-use and re-cycling activities. Their target is to reduce emissions by 38% by 2020. CO₂ emissions from the use of electricity, gas, oil, fleet transport and waste have reduced from 16,700,000 (07/08) to 14,500,000 in 12/13. Energy saving projects commissioned in 12/13 include LED street lighting, energy saving boilers and metering. During 13/14 the University is installing a 1.5MW Combined Heat and Power plant. This is expected to realise annual energy savings in excess of £350K and a reduction of 2,697 tonnes of CO₂ emissions. Since the start of the plan electricity consumption has reduced by over 1 million kWh and waste recycling for 12/13 is 74% - up from 34% in 10/11, 56% in 11/12. The University aim to recycle 90% of waste that is generated, by 2020.

- All food waste is sent for anaerobic digestion to form compost material.
- A new web-based recycling / re-use scheme is to launch in 2014 to help reduce the volume of waste furniture and other assorted items going to landfill (WARPit)
- Student Union Re-use scheme (unwanted items from students leaving the University are offered to new or current students)
- Waste separated into cardboard, paper, glass, plastic, aluminium, steel, electronic, wood, metal and furniture. Co-mingled recyclable waste and all general waste is further sorted offsite to ensure less than 5% goes to landfill

The University has also received certification to Phase 2 of the Institute of Environmental Management and Audit 'Environmental Management System' (EMS).

Macrobert works closely with the University through a series of planned interventions and a sharing of resources/good practice.