

February 2018

*For information.*

## **Sustainability Strategy Group Annual Report**

### **1. Introduction**

This report summarises the progress made by the Sustainability Team working with staff and students to embed sustainability across the University during 2016/17. The report covers the period 1<sup>st</sup> August 2016 to 31<sup>st</sup> December 2017. Data is reported for the 2016/17 academic year, as reported as part of the Estates Management Return (EMR).

The format of the report has been changed to retrospectively report progress against the UN Sustainable Development (SD) Goals and to make it more digestible. The development of BU2025 and the sustainability plan has been heavily influenced by the UN SD Goals.




Overall, there has been much to celebrate over this period, and in particular achieving 11<sup>th</sup> place in the People and Planet University League and certification to the new ISO14001:2015 standard. In addition carbon emissions continue to decline, despite a full year of the Fusion building opening.






ULT members are asked to circulate the report to their staff for information.




### **2. Annual report**



### **3. Forward look**

- Travel plan refresh
- Staff travel survey
- ESD focus through NUS Teach in initiative and work with CEL on course ESD assessment
- Install PV array on PH flat roof
- Deliver IT Comms rooms & data centre energy saving solutions
- Promote Green rewards with a target to achieve at least a 33% sign up
- Review Energy and Water management and investigate achieving the Energy Management Standard (ISO50001)
- Investigate opportunities to phase out single use plastic in catered areas
- Celebrate the achievements of the 13 Green Impact teams
- Support the students' Green Week
- Investigate options for increasing TC energy resilience
- Complete SC optimisation project and apply lessons to other buildings
- Ethical investment policy review and approval
- Continuing support for EDF1 & 2 programmes

Topic	UN SD Goal	KPI	Target	Progress
ESD				<ul style="list-style-type: none"> <li>Three winners of ESD competition. This year academics were asked to show how their course met the UN SD Goals.</li> <li><b>Green Gown Finalist for lecturer Annie East (Media and Communication), ‘Greening the screen: facing the challenge of embedding education for sustainable development into higher education media production courses’.</b></li> <li>Working with CEL to develop approach to embedding sustainability in the curriculum.</li> </ul>
Carbon Management		<b>20% reduction in carbon emissions in 2016/17 compared to baseline (2005/06)</b>	CMP target – 40% reduction by 2020/21 compared to 2005/06 baseline	<ul style="list-style-type: none"> <li>Continuing reduction in carbon emissions through investment in the estate and increased decarbonisation of the UK’s electricity grid.</li> <li><b>Installation of PVs on waste compound &amp; bus hub</b></li> <li>Continuing installation of LED lighting across the estate. In 2016/17 aiming to install 712 LEDs in EBC to deliver an estimated saving of 43,500 kWh per annum.</li> <li>Installation of new boilers in Christchurch and Dorset Houses.</li> <li>Installation of energy conservation measures, such as new pumps and a chiller unit, in Poole and Weymouth Houses.</li> <li>Working in partnership with SUBU, Accommodation team and NUS to deliver Student Switch Off project to engage students in saving energy in halls. In 2016/17, 510 students signed up to the project and helped reduce electricity use by 2.7% (12 tonnes of CO2e).</li> <li>Slippage with some carbon projects, such as IT comms and data centres and student centre optimisation, due to staff workload and conflicting work priorities.</li> </ul>
Energy		In 2016/17, onsite renewable energy production was 4.2% of total energy use; a slight decrease from 4.8% in 2015/16.	Approved targets for electricity produced from PVs: 2020 – 500 kWh 2025 – 1000 kWh	<ul style="list-style-type: none"> <li>No change in electricity consumption between 2015/16 and 2016/17 despite addition of Fusion building.</li> <li>Increase in gas use (21%) in 2016/17 compared to 2015/16 due to a colder year and inclusion of Fusion building for the full operational year.</li> <li><b>89% increase in PV contribution</b></li> <li>In 2016/17, building Display Energy Certificates (DECs) average rating was a ‘C’.</li> </ul>

Water		In 2016/17, 3% reduction in water use compared to 2015/16		<ul style="list-style-type: none"> <li>Action taken to reduce excessive water use in EBC.</li> <li><b>'Stop the Drop' water saving campaign to encourage students to report faults, such as dripping taps.</b></li> </ul>
Waste & recycling		<b>In 2016/17, recycling rate of 56.5%</b>	60% recycling by July 2018	<ul style="list-style-type: none"> <li>Small decrease in recycling compared to 2015/16 (58.5%) due to the ongoing issue with the waste contract, as Suez do not recover any recyclable materials from the general waste compared to the previous contractor.</li> <li>'The Big Give' project continued to be a bigger success, by encouraging students living in Winton and Charminster and University halls of residence, to recycle and donate items when they leave their accommodation for summer. In 2016/17 this initiative also generated over £40k for the British Heart Foundation.</li> </ul>
Sustainable procurement				<ul style="list-style-type: none"> <li><b>Introduction of LCA process to ensure any purchase above £25k takes account of environmental and social issues.</b></li> <li>Sustainable Communications and Print Plan approved to encourage staff to reduce the amount they print and, where they do print, to use recycled paper.</li> </ul>
Biodiversity				<ul style="list-style-type: none"> <li>Wildflower area seeded and successful (summer 2017)</li> <li>Landscape project completed including Christchurch House planting with link to SciTech education and research.</li> <li><b>Additional bee hive installed on TC to contribute to education/research Fusion partnership between SciTech, Wurzburg University and sponsorship by Organics.</b></li> <li>'Conservation Rangers' (partner project with the RSPB), included a really successful student engagement project at the Kingfisher Barn in Muscliff. Green Gown Finalist for SUBU project, 'Down by the River – BU students connecting the local community to wildlife'.</li> <li>Slades Farm Community Garden Project - adjacent to Talbot Campus, bio-diverse gardening and wildlife maintenance.</li> </ul>
Transport		Student Travel Survey: 6% of students travelling to campus by car alone.	2018 target is 5% of students travelling by car alone.	<ul style="list-style-type: none"> <li><b>UNIBUS service provided over 1 million passenger journeys for the first time (8% passenger growth in 2016/17 compared with the previous year).</b></li> <li>New bus hub complete to provide high quality bus facility for UNIBUS passengers.</li> <li>BU Lift share scheme re-launched – 160 new members joined in 2017.</li> <li>New Forest Bike project recycled and 75 abandoned bikes. Bikes refurbished and sold on campus to students.</li> <li>BU won the Bournemouth Commuter challenge held by the local authority.</li> </ul>

				<ul style="list-style-type: none"> <li>▪ Electric bike loan scheme launched – 15 members of staff borrowed the bike with 1/3 going on to purchase an electric bike.</li> <li>▪ 30 active travel lockers purchased and installed with funding from a local authority grant.</li> <li>▪ 19 additional motorised two wheel parking bays provided at Talbot Campus in response to increase in motor cycle users.</li> </ul>
Buildings		<p><b>For refurbishment projects, 81% recycled in 2016/17</b></p> <p><b>For new builds, 100% recycled in 2016/17</b></p>	<p>Achieve 90% recycling rate for refurbishment projects by July 2018</p> <p>Achieve 95% recycling rate for new build projects</p>	<ul style="list-style-type: none"> <li>▪ Ongoing input to Gateway Buildings – both are on track to achieve BREEAM Excellent and an EPC rating of A. Both buildings are challenging on energy use.</li> <li>▪ Input to minor works programme, in particular the first use of the Ska assessment tool for the Poole House reconfiguration project. Achieved ‘Gold’ standard at design stage, but still awaiting the final assessment and report for the finished project.</li> </ul>
Health and Wellbeing				<ul style="list-style-type: none"> <li>▪ <b>Piloted ‘Jump’ staff engagement platform to reward staff for positive sustainable behaviours. A third of the target audience signed up (138/400) and achievements included an average electricity use reduction across Studland and Weymouth Houses of nearly 15%, over 22,000 miles travelled sustainably to and from the University, 80kg of wasted disposable cups avoided, over 900 hours of exercise completed and over 9,500kg CO2 emissions avoided across all behaviour themes.</b></li> </ul>
Sustainable food		Achieve food waste target of 4% of food purchases in Forum Restaurant	Based on Winnow food waste system. Target achieved - 3.8% of sales (Oct 2017)	<ul style="list-style-type: none"> <li>▪ <b>Successful application to retain Fairtrade status (now held for 12 years).</b></li> <li>▪ Chartwells successfully re-certified to Silver Food for Life for Forum restaurant</li> <li>▪ SUBU introduced coffee cup tax at their outlets.</li> <li>▪ Chartwells changed their coffee cup offer to accept any mug for a discount.</li> <li>▪ Both Chartwells and SUBU have banned plastic straws.</li> <li>▪ Chartwells changed from plastic to wood cutlery.</li> <li>▪ Vegan food available at Forum restaurant every day.</li> </ul>

Partnership working				<ul style="list-style-type: none"> <li>▪ <b>Successfully made the transition to ISO14001:2015</b></li> <li>▪ <b>Retained first class position in University League 2017</b></li> <li>▪ The Green Taskforce student led leadership team continued to run environmental awareness campaigns both on campus and in the community, such as campaigns around ethical and sustainable food and living a zero waste lifestyle. Supported by the SUBU Community Team, the Green Taskforce played an active role in the People and Planet Go Green Week, ensuring we had a full program of activities and events for students to take part in. These included a film screening about marine litter, an eco-cosmetics demo and promotional and engagement stands featuring our How Bad are Bananas engagement game, which shows students the carbon content of everyday activities and items.</li> <li>▪ SUBU achieved a ‘Very Good’ score in the new Green Impact Syllabus set by the National Union of Students. The new syllabus for Green Impact had a stronger focus on student engagement than the older program which focused a lot more on operational sustainability.</li> <li>▪ In 2016/17, six staff teams signed up for Green Impact and they completed 205 ‘sustainability themed’ actions. Three teams achieved Silver and one achieved Bronze. In 2017/18, there are 13 teams signed up.</li> <li>▪ The Sustainability Team took part in the Festival of Learning for the first time to promote sustainability to the general public.</li> </ul>
Policies				<ul style="list-style-type: none"> <li>▪ SUBU introduced a new Community Team within the Student Engagement Department and this has led to an increased SUBU sustainability and environmental focus.</li> <li>▪ Policy update – Sustainable procurement, Sustainable IT, Sustainable Construction, Sustainable Food, Biodiversity and Energy and Water policies approved. All environmental policies are available on the staff intranet (<a href="https://staffintranet.bournemouth.ac.uk/aboutbu/policiesprocedures/">https://staffintranet.bournemouth.ac.uk/aboutbu/policiesprocedures/</a>).</li> </ul>