

Environmental Management Annual Report to Council

November 2019

Dr. Emma Page, Head of Sustainability (Estate Service, CIOSS)

1 Exec Summary

This paper provides an update Council on the progress that has been made in 2018/19 to implement the Environmental Sustainability Management Plan within the University of Exeter's education, research and business activities. The paper provides the following:

- i. Update on existing Environment and Sustainability Management Programme
- ii. Delivery of the Environment and Climate Emergency Working Group report Goals & Recommendations
- iii. Considerations for Council.

2 Section A - Update on Environment and Sustainability Management Plan

2.1 Update on existing 2018/2019 Environment and Sustainability Management Programme

In 2018/2019 the team delivered 60 actions (90%) within the Annual plan (see Appendix A). The remaining actions were delayed pending the outcome of the Climate Emergency Plan and will be incorporated (as appropriate) into the 2019/2020 plan. Comparison against previous year's performance is set out in Appendix B. Good progress has been made in Carbon reduction from direct energy use and energy consumption, however targets are not currently being met for waste, recycling, water consumption or travel.

Environmental Management Systems: successful recertification of the ISO14001 with no nonconformities found.

Pollution incidents: - 4 incidents recorded. A full review of the pollution response procedures has been completed by Estates Services and a new process issued to all relevant Campus Service and Estates Services staff.

Location	Pollutant	Severity ¹	Corrective Actions in place	Likelihood of Reoccurrence ²
North Cloisters	Petrol	Minor	Yes	Possible
Streatham Farm	Oil	Minor	Yes	Possible
Physics Building	Oil	Minor	Yes	Possible
Streatham Outside Space	Petrol	Minor	Yes	Possible

Student Green Consultants: This campaign continues to build momentum. There were 56 students that underwent training in Streatham and Penryn, 55 completed the training element with 49 completing on-campus environmental projects. 32 students went on to complete internships with industry partners and there is continued interest in this programme with prospective employers contacting the University expressing an interest in contributing to the programme and/or hosting student interns.

Events & Communication: Over 38 Environmental events were held across the University Campuses supported by 40+ weekly bulletin articles, highlights include

- Go Green Week 2019 (a first-time partnership with the Guild);
- NUS Sustainable Development Goals Teach-In campaign; with Exeter finishing top in both the 'staff pledged' and 'students reached' national leader boards;

¹ Environmental Damage (major, significant or minor) as defined by procedure GEP014, Emergency Preparedness and Response.

² Recurrence (rare, unlikely, possible, likely, almost certain), taken from Health and Safety definitions.

- The Sustainability Team Participated in teaching and learning programmes, including: a number of UG & PG modules; Grand Challenges; hosting student internships.

Sustainable transport: 4 new initiatives were introduced and funded through project North Park development during summer 2019. A review of take-up will be evaluated after 6 months operation.

- Stagecoach staff bus discount extension providing 1/3 off day and week tickets in Exeter on all Stagecoach services;
- Introduction of three hybrid Co-cars on campus;
- Personalised travel planning service for new and existing staff;
- Free 1-week sustainable travel taster scheme for staff.

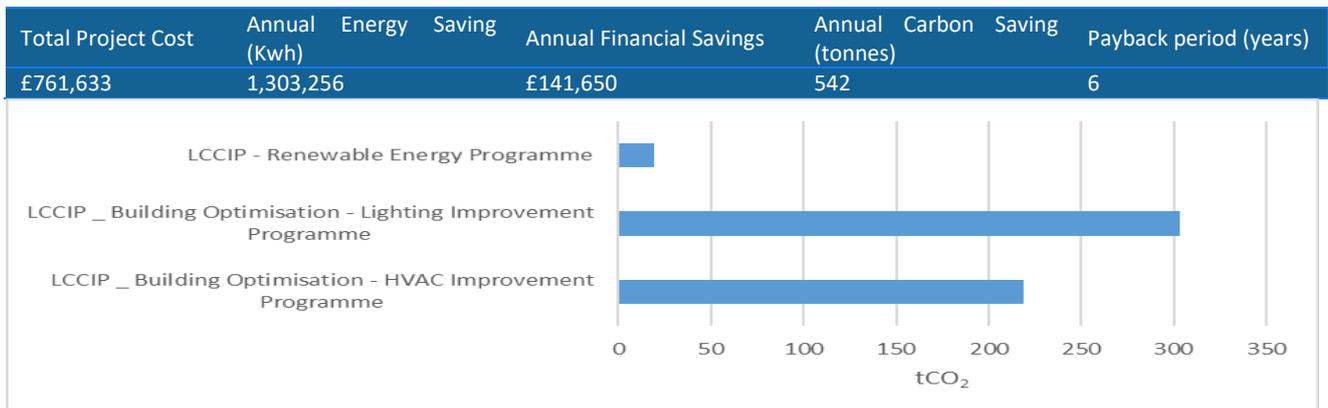
Sustainable travel initiatives have seen a continued increase in uptake. From 2017/18 to 2018/19 there was a 7% increase in the number of parked cycles; and the number of formal car sharing teams has increased from 136 to 154; with 814 members registered on the site.

In addition, following a comprehensive Car Park Charging consultation and review a new charging structure will commence in Q1 2020 which reflects staff grade, vehicular emissions and engine size.

2.2 Carbon reduction, financial savings and Utility purchasing update

Since 2005/06, the University has reduced Scope 1 and 2 carbon dioxide emissions by 40% and has ranked highly against other Russell Group institutions for carbon emissions reductions. In addition, the University of Exeter had the best performance for carbon emissions per FTE student, was second for overall carbon reduction against 2005/06 baseline and third for carbon emissions per square metre within the Russell Group. Carbon has been reduced alongside significant growth in our estate, increased staff and students, and an increase in the energy intensity from research and extended operating hours. Appendix B illustrates the level of performance against the previous year and against the published targets for all other environmental themes.

a) The University of Exeter’s Low Carbon Commitment Implementation Plan for reducing scope 1 & 2 carbon emissions has delivered 542 tonnes of carbon savings and an annual financial saving of £141,650.



b) In addition to savings delivered by low carbon projects, following a review of the University’s tax status on utility invoices; the team confirmed a positive outcome of £295,000 reduction on the utilities budget.

c) Under the Higher Education Procurement Value Survey (PVS) The Energy Consortium, our electricity suppliers produce a member specific benefit statement in line with the Higher Education Procurement Association (HEPA) methodology, to demonstrate the value of TEC Membership. Through the University’s fully flex procurement strategy via The Energy Consortium (TEC) Framework we are able to demonstrate a financial benefit of £145,704.

The University was at the forefront of a landmark green energy deal. Under the “aggregated power purchase agreements” (PPA), we were one of 20 UK universities who brought £50m of renewable energy from a portfolio

of wind farms for a period of ten years. The PPA was structured so the power contractually comes from sources certified by the Renewable Energy Guarantees of Origin (REGOs).

The University was able to sell off the power previously bought to cover the position; which was sold at £60.22/MW and bought back through the PPA at £45.22/MW resulting in a saving of £96,000. This is in addition to the existing agreement for 100% renewable generation through REGO certification.

d) The University's 'Student Switch Off' campaign – run in partnership with the NUS – aims to reduce electricity consumption in halls of residence. A total of 790 students pledged their support, 500 were engaged directly through hall visits and 1,670 completed the climate change quiz. Our Lafrowda NPQR won the overall prize and also two national prizes for placing in the Climate Change Quiz top-4. A Total of 45 volunteer students – plus the Residence Life teams - were trained as Student Switch-off Ambassadors.

2.3 Water Reduction Projects (Led by Estates Services)

A water reduction project, funded through the EU's Horizon 2020 Programme, saw the University's Centre for Water Systems, and Estate Services launch a joint project to reduce water from WC's with 'Propelair' and Over the Air Analytics. The programme is part of a large-scale 'living lab' study to research the water-saving benefits and other impacts of the technology; with research led by Professor David Butler. The financial benefits of this include the supply and installation of the low-flush wc's (circa £130,000); monitoring and surveys undertaken by OTA Analytics (circa £50,000); as well as the fully-funded research Project. Results have shown a saving of 1.2m litres of water (circa £20,000).

2.4 External accreditation, certification and recognition

- The University received a 2:1 Class Award in the People and Planet University "Green" League, dropping from 18th to 37th. This was attributed to the People and Planet not able to locate data on our website and not able to contact us to verify, due to a vacancy in our team. This has been addressed by the appointment of Dr Emma Page.
- The grounds team secured Green Flag Awards for Exeter Campuses for the 6th year running. FxPlus also obtained Green Flag status for the Penryn Campus.
- University staff achieved a top 10 nationally in the Love to Ride September cycle challenge.

3 Section B: Delivery of the Environment and Climate Emergency Working Group report Goals and Recommendations

3.1 Goals and Recommendations

The White Paper from Professor Osbourne sets out goals and recommendations that will require the University to look at transformational change in technology and culture, provide significant investment and embrace new ways of working. There are 4 goals and over 20 key recommendations set out to help the University achieve its aim to become a 'sustainability and climate change leader'. The aim outlined in the report is that the University will reduce emissions to become carbon net zero, develop opportunities to establish environmental net gain, and become a leader of change through education and research outcomes; developing new solutions and new social norms in the way the University operates and performs.

The proposed Goals are as follows:

Goal 1: To be carbon neutral (net zero) for scope 1 and 2 emissions (direct carbon emissions from energy use) by 2040 via a front-loaded approach to reduce emissions by 75% by 2030 – plans are already in place to 2025, with additional spend in subsequent years required to meet the challenge,

Goal 2: To ensure we have data analytics so that we can reduce scope 3 emissions (indirect carbon emissions from supply chain, procurement, long haul travel and commuting); reducing scope 3 carbon by 50% by 2030 and reach net zero by 2050 (stretch goal by 2040). This will require new ways of working; partnerships with other organisations across the South West, nationally and internationally to jointly tackle reduction and establish alternative infrastructure and solutions to reduce to net zero.

Goal 3: To pursue a policy of ‘environmental net gain’ on our estates, and to use our research and education to deliver environmental net gain within region, country and across the globe.

Goal 4: To be in the top five Universities in national sustainability rankings within sector by 2025, and in the top three Russell Group Universities.

Recommendations relate to:

Our Data Analytics and Reporting – to provide transparency of our footprint and impact. This will require adoption of a data warehousing and analytics tool to enable data collation as well as robust and credible assessment of action and performance (tracking all data including environmental impacts from procurement, travel, food and catering and hospitality, as well as individual environmental foot printing).

Our Institutional values - to set out visible Governance, an Education Strategy, Research Strategy, Internationalisation, Regional Engagement, Investment and Sponsorship,

Our Infrastructure – to provide an Energy Plan, Building and Space standards, Labs energy standards, Water use reduction, Digital and IT strategies to improve effectiveness and efficiency of our operations,

Our Actions – covering Business and local travel, procurement, waste and recycling, catering, biodiversity, Behaviour change, communication and marketing combined with visible sponsorship, and leaders ‘walking the talk’ as well as meaningful reward and recognition for staff and students embracing Climate and behaviour change.

3.2 Five Key Considerations

1. Governance – The report proposes changes to the current sustainability governance structure to ensure it is fully integrated into strategic decisions (including VCEG & Council). Governance recommendations include the creation of a Deputy Vice Chancellor for Environment and Sustainability (with a responsibility for implementing strategy), Associate Dean’s for Sustainability in each College to ensure plans are embedded into each Executive Group, strengthening the existing Sustainability Team and establishing a Director of Sustainability (with more authority and autonomy), establishing an Environment & Climate Emergency Board (ECEB) and adding sustainability into our sovereign strategies. The report recommends the University approves the goals and recommendations

2. Data – there is a recommendation the University takes immediate steps to improve data collation and data analytics which enable dashboard reporting. Not all baseline data or success metrics were identified within the report and further work will be required to establish footprint data. It is recommended that the University implement specialist software tools (as used by other Universities and Businesses) to capture and track reduction plans to enable Colleges/Depts/ Services to report reductions and embrace personal action plans.

3. Budget - The report sets out actions to accelerate the current Carbon reduction projection of savings and investment with an anticipated budget of £109mil over 20 years (for scope 1 and 2 – direct energy use (based on known foreseeable costs)). However budget requirements for the other goals and recommendations was not identified or part of the scope of this report, and will require time to investigate and identify.

The report proposes that the University set up an ‘Exeter Climate and Environment Fund’ to top slice a % of international student fees & receive offset levies.

4. Responding to the emergency – the report identifies the need to create a step change in pace and visibility of outcomes from BAU which reflect the scale and speed of change required to meet the intent of the Climate Emergency declared i.e. addressing the ‘large and unacceptable impact’ and ‘that the response necessary to address and reduce the risk to an acceptable level requires an abnormal level of urgency, mobilisation and action. In other words, a solution cannot be delivered through normal reform processes of policy and market economics’ (Gilding 2019). To support in this there are two requirements to 1) act with immediacy and 2) embed the change (and there is a recommendation to involve the Strategic Delivery Unit for facilitation and support).

5. Build Climate conscious partnerships - Establish a ‘South West Climate Action Network’ to support integrated development of strategy across the region to tackle climate crisis & contribute to regional environmental net gain. It is also intended that the network will enable a coordinated approach across the SW region, uniting and aligning teams and partnerships to work together to tackle the climate crisis,

The Press release on Monday 11th November identified the following actions for immediate support;

- Establish a ‘South West Climate Action Network’
- Bring forward investment in video-conferencing, solar panels and LED lighting
- Remove all single use plastic cups and food boxes,
- Sign up the Higher Education Sustainability Accord and
- Launch an Environment and Climate Emergency Campaign to support and embed personal action.

However, to achieve the immediate actions; the Goals and Recommendations and ‘five key considerations’ need to be considered by the new Emergency and Climate Emergency Board and the Sustainability Team roles and tools will need to be reinforced and aligned. An example of quick wins and new work streams aligned to the goals and recommendations can be seen in (see Appendix C).

4 Council are asked to:.

1. Endorse recommendations set out in the Environment and Climate Emergency White paper and recognise the need for immediate and visible action, along with support to delegate authority and autonomy to the Head of Sustainability to progress with urgency in delivery of the quick wins and priorities laid out in the Press Release Nov 11th.
2. Note VCEG Environment and Climate Emergency Board is being set up, the Board will be reviewing the recommendations made in the White Paper and the roll out of the recommendations will reflect the decisions of the Climate Emergency Board.
3. Note and indicate approval for the principle of the increase in resource to support the working groups priorities
4. Note that we will be signing the United Nations Sustainable Development Accord as per recommendation 2 set out in the Environment and Climate Emergency White paper

Appendix A: Campus Environment Management Group Action Plan

University Environmental Sustainability Plan 2018/19 Campus Environment Management Group									
No.	Actions	Priority	Output	Resources	Due Date	Owner	Progress:	Red/Amber/Green/White*	
1 EMS (Policy, Strategy, Standards and Compliance) TARGETS: maintain ISO14001 certification for Campus Services and Estate Services									
1.1	Work with CIOSS to complete ISO14001:2015 SURVEILLANCE audit	(I)	Ongoing certification to ISO14001	External Audit Costs £1,620	DONE	A Seaman	Complete w th no non-conformities		
1.2	Finalise the ENVIRONMENTAL POLICY and COMMUNICATE	(I)	Finalised policy and increased engagement	Design cost Support Director CIOSS	Jan-19	N/A	On hold. Will require further update when new structure confirmed		
1.3	Finalise "PROTECTED SPECIES" STANDARD	(I)	Document outlining key requirements	Training Session Support Estate Services	Oct-18	I Park	I Park taking on		
1.4	REVIEW LEGISLATION REGISTER and eliminate upgrade all amber status items to blue/green/white	(I)	Updated legislation register	Subscription to Legislation Update Service	DONE	A Seaman	Complete as part of ISO 14001 Audit		
1.5	Conduct COMPLIANCE REVIEW of Exeter THIRD PARTY retail and catering outlets	(I)	Audit reports	Support third parties and commercial services	DONE	K Gallagher			
1.6	INTEGRATE WIDER SUSTAINABILITY requirements into Estate Services QUALITY MANAGEMENT SYSTEM	(I)	Effective integration in the quality documents and operating effectively	Support Estates Services QA team and ESSMT	Jan-19	N/A	On hold. Will require further update when new structure confirmed		
1.7	Complete WASTE ACCEPTANCE CRITERIA AUDITS	(I)	Summary report for Peake's UK	Support Technical Services	DONE	K Gallagher			
1.8	Deliver 18/19 ENVIRONMENTAL AUDIT PLAN	(I)	Minimum 90% close out	Support Internal/Environmental Audit Team	DONE	A Seaman	Completed as part of ISO 14001 Audit		
1.9	MAP SUSTAINABILITY ACTIVITIES against the SUSTAINABLE DEVELOPMENT GOALS	(I)	Summary document	Support CEMG	DONE	J Smith	Completed as part of Green Consultant Interview		
2 Waste and Recycling and Resource Use TARGETS: reduce waste arisings tonne/m2, by 1% per annum (2014/15 baseline); recycle 45% of waste by end of 2020; divert 90% of commercial food waste to anaerobic digestion (excluding self-catered halls).									
2.1	Deliver 2019 WASTE TENDER	(I)	Outline specification and appointment of sustainable contractor	Support FM and Procurement	DONE	G Moncur	On schedule to be reviewed by end of July		
2.2	Develop Action PLAN for PLASTIC FREE EXETER and support delivery. Agree institution policies where appropriate.	(I)	Finalised plan	Cross Unit Support Design costs	DONE	K Gallagher			
2.3	Develop WARPit ACTION PLAN and deliver PILOT programme	(I)	End of pilot report / business case	Year one subscription £3,000	DONE	A Partridge	Currently saving £36,000/year. Finance in place for next year		
2.4	Conduct FOUR COMPOSITIONAL WASTE AUDITS	(I)	Audit reports with opportunities for improvement	Green Consultants Programme	DONE	A Partridge			
2.5	Launch COFFEE CUP RECYCLING TRIAL	(I)	Facilities trialled in Forum and St Luke's	Guild funding	DONE	M Williams	2 Year trial in collaboration with the Guild		
2.6	Review PAPER RECYCLING arrangements	(I)	Report summarising key actions for waste tender	ibc	DONE	G Moncur	Part of Waste Tender		
2.7	Launch new PAPER RECYCLING SIGNAGE	(I)	New signage above all paper waste consoles	Guild funding	DONE	M Williams			
3 Biodiversity TARGETS: become a Countryside Wildlife Site by Jul 17 (and maintain thereon)									
3.1	Annual submission for GREEN FLAG AWARD (St Luke's and Streatham)	(I)	Promotion of our Grounds locally and nationally	Support of Guild, Community Garden and SHW Team	DONE	I Park			
3.2	Introduce YELLOW RATTLE to Taddiford Brook / Higher Hoopem Valley	(I)	This will suppress grass growth and facilitate wild flower establishment	£100 seed investment	DONE	T Jones	Replanted with Donated seed 2019		
3.3	Establish new WOOD PILES WITHIN Higher Hoopem Valley	(I)	Provide invertebrate habitats from dead trees and pruning and thinning works	None	DONE	P Greenwood			
3.4	Implement mechanical controls to limit spread of RAGWORT	(I)	Meet legal requirements	None	DONE	T Jones			
3.5	Re-provide WILDFLOWER MEADOW following changes to rear of LAVER	(I)	Enhance biodiversity	£100 seed investment	DONE	A Cockell	Wild flower meadows on going at Business school. Mead Disorder floor, Car Park D and Forum Ponds/Pool gate		
3.6	Trial new PEAT FREE COMPOST for nursery stock	(I)	Reduce usage of peat	Purchase of wool alternative	DONE	I Park			
4 Construction and Refurbishment TARGETS: Achieve BREEAM rating of at least "excellent" for all new buildings									
4.1	Produce EV CHARGING SPECIFICATION for Project North Park car park	(I)	Produce hardware and software specification for EV charging in line with EV charging policy for first on campus staff charge points	Reference Greater Exeter ULEV partnership (see 5.6)	DONE	J Smith			
4.2	Develop LOW CARBON SPECIFICATION for NEW DEVELOPMENTS	(I)	Finalised specification		DONE	A Seaman			
5 Travel TARGETS: reduce single car occupancy staff commuting from 35% to 32%; Convert 25% of vehicle fleet from diesel to electric by 2020; reduce student commuting single car occupancy from 5% to 3%									
5.1	Deliver new SUSTAINABLE TRANSPORT AND CAR PARKING POLICY	(I)	Implementation of new permit eligibility and pricing structures	Support from HR Services (Payroll etc.)	DONE	J Smith / R Owen	Awaiting outcome from VCEG		
5.2	Develop ACTION PLAN for city-wide transport solutions with EXETER CITY FUTURES and other key businesses	(I)	Working action plan shared between key partners		DONE	J Smith			
5.3	Launch PERSONALISED TRAVEL PLAN scheme	(I)	All new staff receiving a personalised travel plan; open to existing staff via website widget	Support from HR	DONE	J Smith			
5.4	Launch SUSTAINABLE TRAVEL TASTER scheme	(I)	Scheme enabling staff to trial sustainable mode of transport to work for 1 week		DONE	J Smith			
5.5	Finalise and LAUNCH BIKE REUSE SCHEME	(I)	Delivery of bike donation scheme in partnership with local bike recycle charities	Annual Fund	DONE	J Smith			
5.6	Continue PARTNERSHIP work as part of Greater Exeter ULTRA LOW EMISSION VEHICLE (ULEV) partnership and Continue development of EU funding bid	(I)	Maintain partnership work to integrate Exeter campuses into city-wide EV charging network		DONE	J Smith			
5.7	Increase membership of University LIFTSHARE CAR SHARING community	(I)	Target 145 Lifshare teams		DONE	J Smith			
5.8	Undertake ANALYSIS of PUBLIC TRANSPORT patronage and SUBSIDY IMPACT	(I)	Data collection exercise and report detailing patronage and impact of existing subsidies	Stagecoach	DONE	J Smith			
6 Water TARGETS: reduce water consumption per/m2 by 3% per annum									
6.1	Deliver Proprietary LOW FLUSH TOILET PROJECT in partnership with OTA Analytics and academics	(I)	Installation of 120 low flush toilet units and ongoing monitoring and research	Support from Direct Works; UoE Centre for Water Systems	DONE	A Seaman			
6.2	Establish PARTNERSHIP with WATERAID to engage students and staff in water savings	(I)	Partnership event alongside low flush toilet installation and recruitment of first WaterAid student ambassadors	Partnership with WaterAid / SWWater	DONE	J Smith			
7 Energy & Carbon TARGETS: reduce CO2 emissions by 50% by 2026 on 2005/06 baseline									
7.1	Deliver LCCIP LOW CARBON LIGHTING project in HATHERLEY	(I)	Installation of low energy lighting in Hatherley building	Support from Direct Works	Jul-19	A Seaman	Scheduled for completion next academic year following smart lighting trial in Streatham/Barn		
7.2	Deliver LCCIP LOW CARBON LIGHTING project in INDOOR CRICKET	(I)	Installation of low energy lighting in Indoor Cricket building in partnership with ECB	Support from Direct Works	DONE	A Seaman			
7.3	Deliver LCCIP LOW CARBON LIGHTING project in HOLLAND HALL	(I)	Installation of low energy lighting in Holland Hall	Support from Direct Works	DONE	A Seaman			
7.4	Deliver LCCIP LOW CARBON LIGHTING project in BRUNEL and KINGDOM MEWS	(I)	Installation of low energy lighting in Brunel and Kingdom Mews	Support from Direct Works	DONE	A Seaman			
7.5	Deliver SMART ENERGY / IoT hub	(I)	Installation of low energy lighting, sensors and smart hub in Streatham Farm as pilot area for UoE Smart energy solutions	Support from Direct Works and Exeter IT	DONE	A Seaman			
7.6	Deliver LCCIP RENEWABLE ENERGY projects at SPORTS PARK	(I)	Installation of Solar PV arrays on Russell Seal building and Tennis Centre	Support from Direct Works	DONE	A Seaman			
7.7	Deliver LCCIP BOLLER REPLACEMENT project at STREATHAM FARM	(I)	Replacement of existing oil boiler at Streatham Farm with gas boiler	Support from Direct Works	DONE	A Seaman			
8 Retail & Catering TARGETS: maintain Fairtrade Accreditation; achieve and maintain a minimum of Level 2 Sustainable Restaurant Rating across University owned catering facilities by 2020									
8.1	Apply for FAIRTRADE STATUS renewal	(I)	Renewal of Fairtrade University Status	Support of Guild and Fairtrade steering group	DONE	K Thacker			
8.2	Extend range of REUSABLE CUPS	(I)	Addition of bamboo cups and lower cost options	None	DONE	K Thacker			
9 Communication & Reporting									
9.1	Prepare publicly available ANNUAL REPORT (Including CORNWALL Reporting)	(I)	Finalised on line document	Support CEMG and SVCCG	DONE	A Seaman / J Smith	Complete and online		
9.2	Complete GREEN LEAGUE Submission	(I)	Finalised landing page on website	Support CEMG	DONE	K Gallagher			
9.3	Create and deliver LOW CARBON CAMPUS communications plan	(I)	Full communications plan for projects and engagement strategies linked to the LCCIP	Support from CAMS	DONE	J Smith	Complete but plans to improve comms activity w th support from CAMS in 19/20		
9.4	Complete SALIX, DEC, CRC and BRITE GREEN submissions	(I)	Submitted online documents	Support from Finance	DONE	A Seaman			
9.5	Finalise low carbon campus COMMUNICATIONS RESOURCES	(I)	Suite of resources capturing range of work being undertaken as part of LCCIP	Support from Design Team	DONE	J Smith / A Seaman	On hold due to change expected as part of Climate Emergency		
9.6	Launch STUDENT SUSTAINABILITY OPPORTUNITIES mailing list	(I)	Student mailing list / newsletter for extracurricular sustainability opportunities (volunteering, societies etc.)		DONE	J Smith			
9.7	Produce sustainability articles for ACCOMMODATION BLOG	(I)	Articles published on blog and promoted via social media channels; minimum of 4 in academic year	Residences Team	DONE	J Smith / C Moore			
9.8	Develop PRESENTATION AND RESOURCES for sustainability section of University STAFF INDUCTION events	(I)	Presentation providing overview of sustainability to maximise impact and provide clear next steps for new staff		DONE	J Smith	Delivered first in new format Nov 18		
10 Change Agents									
10.1	Promote DISSERTATIONS FOR GOOD	(I)	Increased participation in DG	Support SVCCG	DONE	J Smith			
10.2	INCREASE participation in GREEN EXETER	(I)	Minimum 20 teams at Essentials	Support PSLT	Jun-19	ibc	Green Exeter on hold pending Head of Sustainability recruitment		
10.3	MAP number of SUSTAINABILITY COORDINATORS and report to Colleges/PS	(I)	Summary report	Support HR Reporting	Feb-19	J Smith	Number mapped but not reported		
10.4	Recruit SUSTAINABILITY COORDINATORS	(I)	80% coverage or SCs by department, discipline or group	Support PSLT	DONE	J Smith	>10 recruited through engagement events		
10.5	Maintain number of GREEN CONSULTANT on-campus PROJECTS	(I)	Project list submitted to team	Support CEMG	DONE	K Gallagher / A Seaman			
10.6	Maintain monthly (term time) SUSTAINABILITY ENGAGEMENT EVENTS on Streatham and St Luke's and INCREASE number and breadth of 3rd parties involved	(I)	One event per month (term time) on Streatham and St Luke's campuses		DONE	J Smith	On target as of Feb 19		
10.7	Maintain attendance at and develop resources for University OPEN DAYS AND OFFER-HOLDER VISITOR DAYS	(I)	Stand as part of Information Fair at all events (4 open days and 5 OhV/D in 2018/19)		DONE	J Smith			
10.8	Deliver first ENERGY ENGAGEMENT WORKSHOPS for students	(I)	On campus workshop open to students	3rd parties inc. Art and Energy / Demand energy	DONE	J Smith			
10.9	Increase participation in STUDENT SWITCH OFF	(I)	Increase in number of ambassadors trained and total number of students active in campaign	NUS / Residences Team	DONE	J Smith	Successfully increased number of ambassadors trained		
Performance information: 60 Actions: 90% on target / completed, 5% amber, 5% red. Overall Performance status is Green									

Appendix B: Performance Comparison across themes 2016/17- to date

Area	2016-2020 Targets	Delivery Plan	2016/2017 Performance ³	2017/2018	2018/2019	Performance against 2017/2018	Performance against 2016-2026 target
Carbon Emissions and Energy	To reduce CO ₂ emissions by 43% by 2020 (2005/06 baseline 24857 tCO ₂ e)	Estates Strategy	15,272 tCO ₂ e (17,865 tCO ₂ e including Penryn)	13,654 tCO ₂ e (15,934 tCO ₂ e including Penryn)	12,390 tCO ₂ e (14,670 tCO ₂ e including Penryn)	↓	●
	To reduce electricity consumption per/m ² by 3% year on year (2014/15 baseline)		118.14 kwh/m ²	116.96 kwh/m ²	115.95 kwh/m ²	↓	●
Travel	To reduce single car occupancy staff commuting from 35% to 32%.	Travel Plan	No travel surveys planned for 16/17	41 (Estimated)	41 (Estimated)	↔	●
	To reduce student commuting single car occupancy from 5% to 3%		6 (Estimated)	6 (Estimated)	↔	●	
Construction & Refurbishment	Achieve BREEAM rating of at least “excellent” for all new buildings	Estates Strategy	Living Systems Construction: Excellent			↔	●
Waste / recycling	To reduce waste arisings tonnes/m ² , by 1% per annum (2014/15 baseline) ⁴	Waste / Recycling Strategy	1,128 tonnes 4.68 kg/m ²		1485 (Estimated)	↑	●
	To recycle 45% of waste by the end of 2020		35%	37%	36%	↑	●
	To divert 90% of commercial food waste to anaerobic digestion (excluding self-catered halls)		100%	100%	100%	↔	●
Water Consumption	To reduce water consumption per/m ² by 3% per annum	Estates Strategy	1.02679 m ³ /m ²	1.00204 m ³ /m ²	0.99745 m ³ /m ²	↓	●
Retail and Catering	To maintain Fairtrade Accreditation	-	Accredited	Accredited	Accredited	↔	●
	To achieve and maintain three star Sustainable Restaurant Rating in University owned catering facilities by 2020	-	2 Star			↔	●
Biodiversity	To become Countryside Wildlife Site by Jul 17	Biodiversity Strategy	Achieved	Achieved	Achieved	n/a	●

³ Figures exclude Penryn Campus as data not yet available

⁴ Floor area for Exeter Estate 240,998 m²

Appendix C: Proposed Quick Wins to provide immediate and visible response following Press Release (Nov 11th)

A phased delivery plan is proposed, with immediate action on quick wins and priorities, followed by development of a structured programme of action addressing all approved goals and recommendations. The first phase 'Quick wins' are outlined below:

- **Recommendation 8** - Establish a 'South West Climate Action Network'
- **Goal 1/Recommendation 10** - Bring forward investment in video-conferencing, solar panels and LED lighting
- **Recommendation 15/16** - Remove all single use plastic cups and food boxes,
- **Recommendation 4** - Sign up the Higher Education Sustainability Accord and
- **Recommendation 19/20** - Launch an Environment and Climate Emergency Campaign to support and embed personal action.

	Action	Outcome	Timeline
Goal 1 R10	Commence Scope 1&2 Carbon delivery plan / deliver existing Energy initiatives Plan and develop initiative pipeline	Programme of savings which can be measured and tracked, build on existing pipeline of initiatives and commence detailed funding review.	Separate costs in existing budget for LED & PV
Goal 2	Commence capture of scope 3 carbon data Commence delivery plan for waste, water, paper, no cost initiatives	Programme of savings which can be measured and tracked to be established - additional Investment required in VC tbc.	<9 months
Goal 4	Identify gaps and delivery plan for key Benchmarks (SLS scorecard, People and Planet criteria)	Review benchmarking criteria and undertake gap analysis	0-9 months
R 1	Acquire data reporting tool	Adopt Data collection and reporting tool to provide data at your fingertips, pipeline tracking of initiatives for all environmental impacts and savings including travel and benchmark information	<9 months
R 3	Set up new Emergency Environment Board, strengthen sustainability team	Establish Env & Emergency Board and team empowerment to act beyond Professional Services, make changes, build new management procedures Identify short term and longer term funding structure Commence recruitment of roles required to deliver agenda Review the existing environmental management system and revise/align to the Env & Climate Emergency Action plan Establish delivery plan for all goals, review options and cost	By YE 2019 July 2020
R4	Sign off SDG Accord	Sign up to the SDG goals and commence tracking delivery in the data reporting tool (Recommendation 1)	<3 months
R15/R16	Build Sustainable Procurement Strategy and adopt best practice toolkit to support supply chain reporting and awareness	Set minimum requirements for procurement to set out low carbon/low impact goals, reduce waste and single use plastic, adopt Carbon Disclosure Project (CDP supplier management tool) to support tracking of scope 3 impacts	3-12 months
R19/R20	Commence Engagement programme	Identify actions by College and Campus, establish personal quick action plans Acquire Engagement tool to track action and engage students with App based technology via reward, recognition and incentivisation and set up Forums	<3 months

Quick wins require early decision making and approval to enable delivery and produce visible outcomes within 3 months of the Environment and Climate Emergency Working Group Report Press Release on 11th November 2019.