ENVIRONMENTAL OBJECTIVE ACTION PLANS

V1.3 November 2018								Susta	inabili	ty Policy	Strategy A	rea			
Specific Action	Responsible Person	Start time	End time	Status	Cost	Complete, not complete, ongoing	Update on action	Sustainability Through Education	Research and Knowledge Transfer	Engagement and Behaviour Change	Engaging with our communities	Space Utilisation	Sustainable Buildings	The Living Estate_ Biodiversity and the_ Natural Environment	Energy, Carbon and Water Management
Promote the use of reusable cups in place of single use containers through partnership residences with catering.	Rose Rooney / Caroline Wynn / Maev Moran	Nov-17	Nov-18	Ongoing	Yes	Ongoing	ongoing into 2018-2019 to increase % hot drinks sold in reusable cups from 42-50% in 2019.			•					
Deliver a plastic recycling campaign through social media and central communications	Rose Rooney / Maev Moran	Nov-17	Nov-18	Ongoing	No	Ongoing	Completed in 2017/2018 platic free lent and plastic free picnic			•					
Review feasibility of deposit return schemes	Rose	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Schemes not fully implemented or available in England yet, other than through manufacturing partnerships			•					
	Rose Rooney	Nov-17	Nov-18	Ongoing	Yes	ongoing	Vegware compost trial due to roll out in Autuimn 2018. Assessing feasibility of other non compostable cup recycling schemes through SUEZ			•					
Waste and resource management website to include interactive tools and online forms as part of a wider Sustainability website review	Maev Morna /Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Website review carried over into 2018-2019								

Deliver waste reduction initiatives in line with the new Waste Framework and hierarchy through Sustainable Procurement practices Review of waste management	se Rooney	Nov-17 No	Nov-18	Ongoing Or	no	Ongoing Ongoing	Continuing to work with Procurement and ECG in relation to tenders and minimising waste through purchasing decisions. Lets Ecosort it' continues to roll					
systems in partnership with Soft Facilities Management with an aim to increase recycling and food waste provision for staff and students and drive efficiencies across the University	~	Nov-17	Nov-18	Ongoing			out across the estate and is instaalled in all newly refurbished and built buildings. Extra food waste porvisiont o student areas willo roll out in 2018-2019.					
Centralise fluorescent tubes and batteries	Rose	Nov-17	Nov-18	Ongoing	no	not complete	Carried over to 2018-2019					
Expand laboratory waste recycling initiatives throughout the University and implement a clinical waste reduction strategy to reduce by 30% in partnership with S labs project.	Rose Rooney / Anna Lewis	Nov-17	Nov-18	Ongoing	Possible	Ongoing	A pilot for ice packs and glove recycling is currently in place with Terracycle. A strategy for rolling out recycling in all Cat I labs has been established		•			
Deliver a range of recycling campaigns and communications for staff and students working in partnership with the University's communications team	Rose Rooney Maev Moran	Nov-17	Nov-18	Ongoing	yes	Ongoing	regular updates to staff and studetns via newsletters and sopcila media. Supporting student initiatives. Continuing into 2018-2019.		•			
Deliver reuse for the University, develop charity partnerships, external waste IT reuse, take back schemes through procurement, furniture remanufacturing etc.	Rose Rooney	Nov-17	Nov-18	Ongoing	yes	Ongoing	Ongoing throuigh Restore and charity partnerships.		•			

Development of 'Big Give' and End of term clearances in partnership with UWE, Bristol City Council, UBU and project partners under the Love Where you Live project. Continue and develop staff, key contractor and student CIWM waste training.		Nov-17 Nov-17	Nov-18 Nov-18	Ongoing Ongoing	Possible Possible	Ongoing Ongoing	Campaign was the biggest yet in 2017-2018 and will continue into 2018-2019 with student interns project leading. CIWM courses run approximately 6 times a year and in 2017-2018 were fully subscribed. These will continue into 2018-2019.		•			
Increase participation at residences in recycling and food waste composting initiatives through operational interventions, audits and communications	Rose Rooney	Nov-17	Nov-18	Ongoing	yes	Ongoing	Residences wetnt though a large restructure in 2017-2018. weekly newsletters were sent to studetns and we canrried out a rangr of event s for the Big Give. We hope to continue and expand this in 2018-2019		•			
Promote and expand the use of Re-Store, reuse, remanufacture through pop up events, website development and case studies.	Alice Maxwell-Lyte, Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	Ongoing	many case studies through Senate HSOue decand and the Bristol Big Give. We will continue to do this in 2018-2019.		•			
Develop processes with Procurement especially in the area of Flexible Framework Level 5 for Estates	Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Ongoing in early 2018-20.19 with a view to achieve this in September and Octobver 2018. this will be supported by comms and training for staff.		•			
CMP: Small Works	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Variety of works underway, focusing on insulation of plant rooms and advanced control equipment and methodology.					•
CMP: Lighting	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Using Term consultants for delivery.					•

CMP: Electrically Heated Halls	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Complete	Largely complete, assessing opportunity for further works				•
CMP: Fume Cupboards	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Works on Synthetic Chemistry comple. Looking for further opportunities at DHB, Chemistry and Churchill Langford.				•
CMP: Renewables	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Identifying opportunities.				•
CMP: Water Implementation plans	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	not complete	extended for a further year				•
Water Strategy Development	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Incorporated into Carbon and Water Strategy				•
CMP: Water Strategy Agreement	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Incorporated into Carbon and Water Strategy				•
Display Energy Certificates Audit and publish, extended to smaller buildings	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Annual cycle. Certificates are up to date				•
Review new legislation & engage in consultations as required	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Looking at effect of medium combustion plant directive in particular.				•
Major Energy Use Building audits	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Included in fume cupboards project				•

Monitor CHP operation	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	ongoing annually				•
Review BMS operation and implement energy savings	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Special reference to savings under the CAPP programme at the Richmond Building with Carbon Credentials				•
Review and implement metering and sub-metering	John Brenton/ Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Focusing on top 20 buildings and granular metering at CHP.				•
Report on utility consumption to external budget holders	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Monthly reports to residences and Director Estates, quarterly reports to NCC.				•
Engagement with District Heating Project	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Precinct scheme under investigation, TQEC procurement issues to be resolved. Looking at future for north precinct network.				•
Gas contract - ongoing maintenance	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Ongoing, looking beyond current contract.				•
Support DEC work with analysis	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Annual cycle, certificates are up to date.				•
Carbon Reduction Commitment next report	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Passed external audit 2017-2018. scheme ends in Oct 2019.				•
CEMARS	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Complete	to be redone annually				•
Produce EMS statistics	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Complete	to be redone annually				•

Project 3-year budget figures for Utilities consumption for risk management	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Complete	to be redone annually					•
Report on utility consumption to Senior Management regularly for risk management	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Ongoing monthy					•
Investigate, develop and implement Flexible Framework Level 4/5 with the University of Bristol Estates Contracting team and Procurement team processes.	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Partnership project between Estates Contracting group, Procurement and Sustainability with a led programme by Net Positive Futures Consultants. Flexible Framework Level 4 anticipated by November 2018		•			
High impact areas in the Purchasing Sustainability register have been identified. Key areas will be focused on using a Net Positive Futures Supplier Engagement Tool.	Andrew Parsons/ Richard Lafferty/ Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Use of Net Positives Supplier Engagement Tool Integrated into Procurement Process. Trainining sessions are in place for November 2018 for ECG, Procurement and Sustainability.		•			
Options appraisal document will have a review, to include a life cycle assessment by the Procumbent manager	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	no	Ongoing	Review Options Appraisal (Procurement) and PIGd (ECG) documentation underway with a view to use a unified set of workflow documents. Completion of a Sustainability Impact assessment / whole life cost tool beign incorporated.		•			
Through working with Estates Contracting and Procurement managers, all tenders will be considered with a basic whole life cycle cost analysis to cover sustainability aspects.	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Fully integrated into ECG process and auditable under ISO 14001. Optiosn appraisal beign reviewed in late 2018.		•			
develop and communicate an online training module for sustainable procurement	Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	Yes	Ongoing	delayed, this will be reassessed in March 2019		•			

Every member of the	Andr Richa Rose	No	No	9	Yes	Ongoing	Complete for Procurement. CIPS		•			
procurement team will undergo	Andrew Parsons/ Richard Lafferty/ Rose Rooney	Nov-17	Nov-18	Ongoing	5		Corporate Ethics Mark valid until					
CIPS ethical training which will be	ew Parso ard Laffer Rooney	7	ω	Bu			May 2019. ECG have not begun					
publicly communicated on CIPS	arso affe						this process yet.					
website.	ons,											
Develop procedures to ensure sustainability criteria are included in all specifications, relevant to the product or service being procured.	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	No	Ongoing	ECG have started, by adopting the use of the WLC tool. Category Strategies and revised Options Appraisals are being developed as part of NET Positive project that allow for sustainability analyses of the		•			
	har						requirement and encourage					
	ا ال						development of appropriate					
	ıffeı						Sustainability criteria in tenders.					
	Ty /						Completion due Nov 2018					
Develop a Custoinable	-	7	7	0	7	Onneine	ECC haves not sometile to date		•			
Develop a Sustainable Procurement plan to	ndrew Parsor Rose Rooney	Nov-17	Nov-18	Ongoing	No	Ongoing	ECG havce not contributed to this yet however will be involved					
communicate to all staff, to help	e v R	17	18	gnic			fully as it progresses. As part of					
end users become familiar with	Par						the NET Positive Positive project,					
Sustainable Procurement key	son						corporate procurement strategy					
practices	s/ R						has been refreshed to include SP					
	ich						and a revised Sustainable					
	ard						Procurement Policy is in					
	Andrew Parsons/ Richard Lafferty / Rose Rooney						development. Due Nov 2018					
Custoinable Drogueses		, ,	7	0	7	Ongoine	Como trainigo has been serviced		•			
Sustainable Procurement Training, key principles for	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	No	Ongoing	Some trainign has been carried out. 1) WLC tool training.		-			
Procurement Managers	ew ons, ard rty	17	18	gnic			Trainign planned 2) Supplier					
	/ Rc						engagement.					
)se											
Integrate audits for Sustainable	Pai Pai Ric Laf	No	No	On	Pos	Ongoing	ECG have not contributed to this		•			
practices with ISO 14001 EMS	Andrew Parsons/ Richard Lafferty , Rooney	Nov-17	Nov-18	Ongoing	Possible		to date but will be involved as it					
audits.	d d		~	96	le		progresses.					
	Andrew Parsons/ Richard Lafferty / Rose Rooney											

Advise and support University colleagues to acquire goods and services that contribute positively to achieving sustainability objectives. In particular using whole life costing- producing a spend profile for the life-span of the product.	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	No	Ongoing	WLC being incorporated into options appriasal stage.		•			
communications/ working with sustainability /; procurement / central Comms.	Andrew Parsons/ Richard Lafferty / Rose Rooney	Nov-17	Nov-18	Ongoing	No	Ongoing	this will develop in Spring 2019 ponce process and strategy are agreed. Internal comms team to be engaged at latter stages fo the net positive futures project to communicate changes. Sustainable procurement to be incorporated into the Procurement Teams Marketing plan.		•			
Carbon Management Plan Projects manage projects with Estates to completion	John Brenton / Chris Jones	Nov-17	Nov-18	Ongoing	No	Ongoing	Ongoing Programme					•
Investigate certification to Sustainable Restaurant Award in place of the Soil Association Food for Life Catering Mark for catering.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019					
To continue to achieve a Fair Trade Business Award following on from the 'Best Fair Trade University or College at the Bristol Fair Trade Business Awards 2015. Improve on the current level of silver.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Applications due in by January 2019. Led by Sustainability					

Continue to reduce the amount of foods from animal origin (meat, dairy and eggs) served, as livestock farming is one of the most significant contributions to climate change.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				
Continue to promoting meals rich in fruit, vegetables, pulses and nuts. Continue to promote less meat Monday with two vegetarian options and plan to expand this to other days.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				
Continue procurement of Red Tractor products as a minimum and Freedom Meat where possible.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				
Good Egg Award: continue to use 100% free range eggs in hospitality services.	Caroline Wynn	Nov-17			Possible	Ongoing	carried over to 2018-2019				
Good Chicken Award: Work towards achieving the good chicken award.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				

Continue with an in house version of the "Love Food, Hate Waste" campaign working with Sustainability. We aim to raise awareness of the need to reduce the amount of food that we throw away, and how doing this will benefit us as consumers and the environment. 8.3 million tonnes of food are thrown away by households in the UK every year. Reducing food waste is a major issue and not just about good food going to waste; wasting food costs for the average family with children is £680 a year and has serious environmental implications too.		Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				
Continue to exclude fish species identified as most "at risk" by the Marine Conservation Society. Only use fish from sustainable sources – those accredited by the Marine Stewardship Council. Work towards achieving MSC accreditation.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				
Choose Fairtrade Certified products for food and drinks imported from poorer countries to ensure a fair deal for disadvantaged producers. • Renew our University Fairtrade accreditation (again) by continuing to offer a comprehensive range of Fairtrade products and raising awareness.	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019				

Promote health and well being •	Ca	S	No	o ₂	Ро	Ongoing	carried over to 2018-2019					
Generous portions of fruit,	Caroline Wy	Nov-17	Nov-18	Ongoing	Possible							
vegetable and whole-grains •	ne	.7	∞	ing	ole							
Cooking methods that adopt												
	Ca	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019					
Continue to promote initiatives	<u>©</u>	V-1	V-1	go	ssik							
that encourage filtered tap water	ne	7	∞	ing)le							
in reusable jugs or bottles .	Caroline Wy											
Suppliers tasked to only deliver in	Caroline '	N	N	Or	Ро	Ongoing	carried over to 2018-2019					
minimal packaging (e.g. without	<u>0</u>	Nov-17	Nov-18	Ongoing	Possible							
lids). Explore reusable packaging	ine	17	∞	ing	ble							
(e.g. crates) Procure 100%	Ş											
Continue to make decisions based	Са	Nov-17	Nov-18	On	Possible	Ongoing	carried over to 2018-2019					
on a balance between economic,	roline	V-1	Ý-1	goi	ssik							
social and environmental factors	ne			Ongoing	ole							
Develop procurement policies	Ca	Nov-17	Nov-18	or	Ро	Ongoing	carried over to 2018-2019					
that reflect the use of cost	Caroline Wynn)V-1)\- <u>-</u> 1	Ongoing	Possible							
effective cuts of meat that	ne	7	∞	ing	ole							
promote responsible animal	≶											
welfare	/nn											
Encourage procurement to take		Z	Z	0	РС	Ongoing	carried over to 2018-2019					
account of whole life costs where	Caroline Wynn	Nov-17	Nov-18	Ongoing	Possible							
applicable to ensure sustainability	ine	17	18	ing	ble							
and minimise impact on the	Ş			-								
environment. Set specifications	ynr											
Continue to comply with and		z	z	0	P	Ongoing	carried over to 2018-2019					
exceed requirements / legislation	aro	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2010 2015					
relating to sustainability and the	line	17	18	j D	ible							
environment	Š			04								
environment	Caroline Wynn											
Target that 75% of all food		z	z	0	P	Ongoing	carried over to 2018-2019					
offering is prepared freshly on	aro	Nov-17	Nov-18	Ongoing	Possible	Cligoling	Carried Over to 2016-2019					
site has been achieved for the	line	.17	18	oin	ible							
	×			σq	١,٥							
University Halls of Residences.	Caroline Wynn											
Continue to work with suppliers		z	z	oα C	ю.	Ongoing	carried over to 2018-2019	+				
to encourage better processes	arc	Nov-17	Nov-18	g		Jongoing	carried over to 2018-2019					
and improvements to the supply	di j	-17	-18	9	3	<u> </u>						
Encourage Small and Medium	C		z			Ongoing	carried over to 2018-2019					
Enterprises (SME's), local and	<u> 10</u>	Nov-17	Nov-18	Ongoing	Possible	06						
regional suppliers to bid for	ine	17	18	jing	ble							
supply agreements	Caroline Caroline Wynn			"								
Supply agreements	ynr 											
<u>L</u>	. –	1	1	1		1	I .					

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Communicate the Hospitality	Car	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019					
Services Ethics Sustainability	<u>©</u>	V-1	V-1	go	ssik							
Policy to the University staff and	Caroline Wynn	7	∞	gni)le							
students.	Ş											
	/nn											
To achieve improvements in the		Z	Z	Or	Ро	Ongoing	carried over to 2018-2019					
sustainability of food at the	Caroline W	Nov-17	Nov-18	Ongoing	Possible							
University, training is provided	ine	17	81	ing	ble							
	5											
Water Usage When replacing	Car	Νο	N _O	8 2	e g	Ongoing	carried over to 2018-2019					
equipment, purchase water	Caroline	Nov-17	Nov-18	g		<u>.</u>						
saving nieces • Working with	ne (1			<u> </u>						
Minimise energy use in food	Caro	#	#	oin	sibl	Ongoing	carried over to 2018-2019					
Low food miles – Where possible,	C.			+		Ongoing	carried over to 2018-2019					
we work together with, and	Caroline	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2010 2015					
source our food and drink from,	line	17	18	Ξi	ible							
Transportation – We operate a		z	z			Ongoing	carried over to 2018-2019					
1	aro	Nov-17	Nov-18	g		ongoing	carried over to 2018-2019					
tight food distribution policy. Where possible, we transport	liji j	-17	-18		-	‡						
Energy consumption – We aimed	Caroline Carolir	#		ng	е ;	Ongoing	carried over to 2018-2019					
to reduce our energy	5	#####	#####	ng		- 1.8-1.18						
	i i											
Protection – We are aware of the	Caro	#	#	oing	ible	Ongoing	carried over to 2018-2019					
importance of protecting the Hospitality Services places special				+	<u> </u>	Ongoing	carried over to 2018-2019					
	Caroline V	Nov-17	Nov-18	Ongoing	Possible	Origoning	carried over to 2018-2019					
attention on the ethical sourcing	lin in	-17	-18) Si	<u>ib</u>							
of our food. We are very keen to												
Increase use of seasonal products	Cai	Nov-17	Nov-18	Ongoing	Possible	Ongoing	carried over to 2018-2019					
in all menus throughout the	<u>o</u> :	V-1	V-1	go	ssik							
service.	ne	.7	∞	ing	ole							
	roline Wynn											
	'nn											
Continue work for a Green Impact	Ca	No	No	Ongoing	Possible	Ongoing	carried over to 2018-2019					
Excellence Award / Special Project		Nov-17	Nov-18	ogı	ssik							
Award	in e	ار	8	ing	ble							
Excellence Award / Special Project Award	≶											
	/nn											
L		•	•	•	•		•					

Represent the University and participate at national events relating to Sustainable Labs. Collaborate on tangible outputs from the Laboratory Efficiency Action Network (LEAN) in order to expand Sustainable Labs nationally.	Anna Lewis	Nov-17	Nov-18	Ongoing	Travel costs	Ongoing	Presented workshops at S-Lab conference. Hosted LEAN meeting and worked with colleagues on the LEAF framework.		•				
Develop website to include guidance documents, achievements and resources, accessible to internal and external stakeholders for Sustainable labs	Anna Lewis	Nov-17	Nov-18	Ongoing	No	Ongoing	Added water, cold storage, waste & recycling guides, stickers and signage to website	•		•			
Run Green Impact Labs: - encourage new sign-ups through student volunteer lab assessments, awareness campaigns and media communications - employ a student intern to manage volunteers - advice, reminders and assistance throughout the year via email - lab audits in Sept - awards ceremony in Dec	Lewis	Nov-17	Dec-18	Ongoing	Intern wages and resources	Ongoing	43 teams signed up for 2017/18 (up from 12 the year prior). Has a student intern for 10 months to manage the student volunteers.	•		•	•	•	•
Hold regular internal 'Sustainable Labs Network' meetings to identify and implement potential projects and schemes, and feedback on current initiatives. Maintain online network forum to ensure consistency and progression between meetings.	Anna Lewis	Nov-17	Nov-18	Ongoing	No	Ongoing	Sustainable Labs Network meeting was last held in June 2018 and lots of initiatives were progresses. Online forum is regularly used.			•			•

Inform staff and students of sustainable labs initiatives and achievements through newsletters, the website and social media.	Anna Lewis	Nov-17	Nov-18	Ongoing	No	Ongoing	Done		•			
Develop a standardised UoB sustainable lab induction and exit system.	Anna Lewis	Nov-17	Nov-18	Ongoing	No	Ongoing	Induction system is not fully developed but exits/moves is complete.		•			
HVAC upgrade project: Synthetic Chemistry, DHB, Queens, Biomedical	Anna Lewis, Chris Jones	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Synthetic Chemistry is complete. DHB has had an energy survey, Biomedical lighting project started.					•
Make Langford campus labs zero neutral	Anna Lewis, Chris Jones, John Brenton	Nov-17	Nov-18	Ongoing	Survey £17k	Ongoing	Churchill Building and the Animal Husbandry Unit have had a building condition survey and we are awaiting reccomendations					•
Efficient equipment subsidies and replacements: ovens, cold storage and biosafety cabinets	Anna Lewis	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Ovens and cold storage have been carried out but we are still awaiting survey results for BSCs					•
Determine effectiveness of a 'cold sample storage and tracking inventory system' - procure and implement University-wide.		Nov-17	Nov-18	Ongoing	Possible	Ongoing	Pro-curo software has been rolled out across the University and some staff members have received training. Still need to gauge effectiveness					•
Procure and implement a University-wide 'temperature alarm and data logging system' for lab equipment. This will aid expansion of initiatives such as Chilling Up.	Anna Lewis	Nov-17	Nov-18	Ongoing	N _O	Complete	Complete					•

Collaborate with Procurement on tenders for cold storage, biosafety cabinets and RO units. All specifications will take into account Whole Life Costing.	Anna Lewis	Nov-17	Nov-18	Ongoing	No	Not complete	Carried over to 2018-2019					
Nitrile glove and pipette/pipette consumables tender.	Anna Lewis	Nov-17	Nov-18	Ongoing	No	Ongoing	Recycling scheme in trial, tender not done					
Propose and coordinate student projects in labs relating to Green Chemistry, energy, water or waste. To collaborate with academics, students and Estates.	Anna Lewis	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Did a Living Lab on the environmental impact of lab equipment reuse vs WEEE	•	•			
Increase recycling and re-use in labs focusing on polystyrene, nitrile gloves and lab plastic.	Anna Lewis	Nov-17	Nov-18	43040	Possible	Ongoing	Trial has been implemented		•			
Identify, procure and implement a pilot 'chemical inventory system' in the School of Chemistry. To be rolled out University-wide if successful.	Anna Lewis	Nov-17	Nov-18	Ongoing	Yes	Ongoing	A steering group is in place to implement this					
Develop a lab equipment sharing and selling system which is accessed on the website. The two systems may or may not be linked to one another.	Anna Lewis	Nov-17	Nov-18	Ongoing	Possible	Not complete	Biomedical have implemented a system but it is not as sophisticated as this action requires.					
Replace tap-to-drain systems with closed loop and increase networked water metering across science buildings	Anna Lewis	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Half have been replaced					•
To support the University's Strategic Transport Group as required	James Ryle	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Ongoing, however the group did not meet up		•			

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Jam	νον	Nον	gn0	Pos	Complete	An interim review conducted			•					
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Ry.	7	ω	B	le		published on website.								
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₽	7	∞	ng	le		Priory Road teaching space,								
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						Hill lecture theatre and Royal								
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						theatre								
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ē						March 2018								
	James Ryle	Nov-17 Nov-18 Nov-19 No	Nov-18 Nov-17 Nov-18 Nov-17 Nov-17 Nov-17 Nov-17 Nov-18 Nov-19 Nov-19 Nov-19 Nov-19<	Nov-18 Nov-17 No	Ie Possible Possible <td>ry Nov-17 Nov-17</td> <td>Nov-17 Nov-17 Nov-17 Nov-18 Nov-18 Nov-18 Nov-19 Complete Strategy reviewed and programme delivered review to be undertaken in March 2018. Unibus satisfaction survey undertaken in</td> <td>Rivie James Rivie James Rivie</td> <td>Ryle Lames Ryle Lames</td> <td> Nov-18 N</td> <td>Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-18 Nov-17 Nov-18 Nov-17 Nov-17 Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-18 Nov-18</td> <td>Ryle James Ryle James</td> <td>We be some style lamnes RVIe l</td> <td> Nov-17 Nov-18 Nov-18 Nov-17 Nov-18 Nov-18 Nov-18 Nov-17 Nov-18 Nov-19 N</td>	ry Nov-17	Nov-17 Nov-17 Nov-17 Nov-18 Nov-18 Nov-18 Nov-19 Complete Strategy reviewed and programme delivered review to be undertaken in March 2018. Unibus satisfaction survey undertaken in	Rivie James Rivie	Ryle Lames	Nov-18 N	Nov-17 Nov-18 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-17 Nov-18 Nov-17 Nov-18 Nov-17 Nov-17 Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-18 Nov-17 Nov-17 Nov-18 Nov-18	Ryle James	We be some style lamnes RVIe l	Nov-17 Nov-18 Nov-18 Nov-17 Nov-18 Nov-18 Nov-18 Nov-17 Nov-18 Nov-19 N

To work with the City Council to ensure mutual benefit for both parties from our respective transport programmes	James Ryle	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Discussions took place to ensure sustainable delivery of programmes.			•			
Run a range of environmental engagement activities within the University (Reuse, Transport, Water)	Maev Moran	Nov-17	Nov-18	Ongoing	Possible	Complete	Completed in 2017/2018 with communciatiosn plan in development for 2018-2019		•				•
Engage with building occupants regarding building heating policies, especially switch on and off and holiday shutdowns	Chris Jones / John Brenton	Nov-17	Nov-18		Possible	Ongoing	Ongoing annually		•				•
Run a food waste campaign	Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	not complete	Moved to 2018-2019 starting with the feed my face campaign at thalls and continuing into catered halls cafes and staff and students on campus.		•				
Roll out of Lets Eco Sort it via Site Services and in line with Agile Working	Alice Maxwell- Lyte / Rose Rooney	Nov-17	Nov-18	Ongoing	Possible	ongoing	ongoing and due for completion in April 2019		•		•		
Run waste reduction and reuse initiatives including 'The Big Give' and 'End of Term Waste Campaign' . including University leased properties, the Bristol Community Partnership and Love Where You Live partnership.	Rose Rooney / Maev Moran	Nov-17	Nov-18		Possible	Ongoing	continuing into 2018-2019 with plans to close the loop by offerign reused items back to studetns at the beginning of the next term.		•	•			
Develop laboratory specific posters for waste management	Anna Lewis	Nov-17	Nov-18	43040	Yes	Complete	Available on the website http://www.bristol.ac.uk/media- library/sites/green/sustainability/ documents/labs/UoB_Sustainabl e_Labs_Recycling%20Poster.pdf						

Run specific waste and compliance campaigns for the University focusing on hazardous and clinical waste streams and lab waste recycling. Focus on Sustainable labs project and expansion of training programmes.	Anna Lewis / Rose Rooney / Maev Moran/Alice Maxwell- Lyte	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Carried over to 2018-2019			•					•
Communicate national campaigns to University staff and students in partnership with central communications and relevant stakeholders	Maev Moran	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Communicated national campaigns to University audience, with this work continuing in 2018-2019	•	•	•	•	•	•		•
Produce an annual report on sustainability	Martin Wiles / Maev Moran	Nov-17	Nov-18		Possible	Complete	Completed in December 2017.	•	•	•	•	•	•	•	•
Run Green Impact Awards	Martin Wiles / Maev Moran	Nov-17	Nov-18		Possible	Ongoing	Moved to winter from Summer in 2018. Complete in December 2018.	•	•	•	•	•	•	•	•
Participate, where necessary, in National and Local campaigns, including the Big Uni Travel challenge, the Big Travel Challenge and Bristol's Big Commuter Count	James Ryle / Maev Moran	Nov-17	Nov-18		Possible	Part completed	Due to University Strike action, the Uni did not participate in the Travelwest Travel Survey in March 2018 (rebranded Big Commuter Challenge). Big Uni Travel Challenge has been perminantely withdrawn. The Uni did participate in the Travelwest Travel Challenge			•					
Run campaigns and competitions aiming to reduce waste, energy and water consumption in laboratories. Campaigns to be conducted by student interns and volunteers.	Anna Lewis	Nov-17	Nov-18	Ongo	Possible	Ongoing	This year focused on Green Impact Labs			•					•

Develop a technician/lab user sustainable lab training programme in collaboration with national bodies such as HEaTED, S LAB and other universities. Provide through internal Staff Development. Raise the profile of Sustainability		Nov-17	Nov-18	Comp)	Ongoing	Delivered an internal training session but have not done it nationally. Gained 100 new followers on	•	•	•		•	•	•	•
on social media (yammer, Facebook, twitter) to internal and external audience.	Maev Moran	Nov-17	Nov-18	Ongoing	Possible	0.150.115	each social media account in 2017-2018 continuing to increase in 2018-2019.								
Develop and Implement a 'Sustainability Exchange' group for staff and students at the University to provide a platform for Sustainability initiatives and feedback to be heard and developed at the University	Maev Moran	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Several options explored for this in 2017-2018, however noting has been confirmed to developmental stage. With the Be the Change programme developed in 2017-2018, this may be incorporated here.	•	•	•		•	•	•	•
Complete refresh of the University 'Green' webpages format liaising with central communications, IT and the relevant stakeholders.	Maev Moran	Nov-17	Nov-18	Ongoing	Possible	Ongoing	this is in process and will eb completed in collaboration with IT in 2018-2019.	•	•	•	•	•	•	•	•
Management of People and Planet reporting actions / gap analysis.	Maev Moran	Nov-17	Nov-18		Possible	Ongoing	2017 Action rep[ort and gap analysis completed in preparation for 2018-2019 audit.	•	•	•	•	•	•	•	•
Raise the profile of the Sustainability agenda at the University, by building relationships with external and internal stakeholders, e.g. via networking events.	Maev Moran	Nov-17	Nov-18		Possible	Ongoing	Progress made in this areaincluding internal and external interest groups and stakeholders with work continuing into 2018-2019	•	•	•		•	•	•	•
To continue developing the Biodiversity Action Plan, a living document reflecting a dynamic Estate.	Alan Stealey	Nov-17	Nov-18	On target	Possible	Ongoing	Dynamic/living document reflecting changes in knowldege and Estate.				•		•	•	

Update and enhance the Gardens and Grounds maintenance specifications - specifically items that impact upon conservation and enhancement of biodiversity in support of the BAP. The immediate focus will be house sparrows, spotted fly catcher, house martin, willow warbler	Alan Stealey	Nov-17	Nov-18	Ongoing	Yes	Ongoing	The maintenance specification is a constantly evolving document, as new sites are acquired, etc or more is learned about existing sites.							
In support of the 'pragmatic system to measure and record Biodiversity' surveys are being carried out for: Birds (particularly: House sparrows, Swift, Green Woodpecker); Hedgehogs; Amphibians (particularly Common toad and Great crested newts); Butterflies; and Ivy Broomrape.	Alan Stealey	Nov-17	Nov-18	Ongoing	Yes	Ongoing	Surveys are repeated on an annual (or more regular basis) basis.						•	
To work in partnership with environmental groups and involve staff and students in biodiversity issues through volunteering and educational programs.	Alan Stealey	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Several working group activities have taken place, involving Roots Community, The Princes Trust, etc.	•	•	•			•	
On an annual basis, develop projects that enhance biodiversity and then seek funding and grants to facilitate these.	Alan Stealey	Nov-17	Nov-18	Ongoing	Possible	Ongoing	Several working group activities have taken place, involving Roots Community, The Princes Trust, etc.						•	
Agree a tree replacement policy with Bristol City Council	Alan Stealey	Nov-17	Nov-18	On target	Yes	Ongoing	Ongoing liasion with BCC Planning and the BCC Tree Forum about requirements/best practice.			•			•	
Agree five year plan with Capital Projects to identify areas in which no building will take place	Alan Stealey	Nov-17	Nov-18	On target	Yes	Ongoing	Discussions at an early stage	•	•	•	•	•	•	

Achieve ISO 14001: 2015 for the University	Rose	####	####	On tai	No	Complete	achieved in April 2018.	•	•	•	•	•	•	•	•
Raise awareness of the role of ISO 14001:2015 to the Senior Team and its role in achieving environmental compliance for the University.	FRose Roo	* Nov-17	* Nov-18	ai On target	No	not complete	Carried over to 2018-2019	•	•	•	•	•	•	•	•
Raise awareness of the role of ISO 14001:2015 in identifying risks and opportunities of activities carried out at the University.	se Rooney / Martin	Nov-17	Nov-18	On target	No	ongoing	Carried over to 2018-2019	•	•	•	•	•	•	•	•
Support the work of agile working with sustainable waste management	Rose Rooney	Nov-17	Nov-18	On target		ongoing	ongoign through development of ciruclar economy principles			•		•			
Develop a whole life cost model to be used for every Procurement led tender	Martin Wiles / Andrew Pa	Nov-17	Nov-18	On target	No	Ongoing	Model complete and will be introduced during 2018-2019.			•					
Complete and communicate an Education through Sustainability strategy	Martin Wiles	Nov-17	Nov-18	On target	Possible	Not complete	To be considered in 2018-2019	•		•					
Complete and communicate an Engaging with our Communities Strategy	Martin Wiles	Nov-17	Nov-18	On target	Possible	Not complete	To be considered in 2018-2019				•				
Complete and communicate a Research and Knowledge Transfer Strategy	Martin Wiles	Nov-17	Nov-18	On target	Possible	Not complete	To be considered in 2018-2019		•						

Secure approval for space standard as set out within Space Utilisation strategy	Martin Wiles / Matt Fulford	Nov-17	Nov-18	On target	Possible	Ongoing	Discussiosn regarding space allocation still ongoing.		•	•		
Develop a register of rooms to enable post graduate workplaces to be compliant with work place regulations	Martin Wiles / Matt Fulford Martin Wiles / Matt Fulford	Nov-17	Nov-18	On target	Possible	Ongoing	Register being collated		•	•		
Develop ways to enable the planning of new space to feature shared space and open plan as set out within the space utilisation strategy.	Martin Wiles / Matt Fulfor	Nov-17	Nov-18	On target	Possible	Ongoing	Strategic approach being developed.		•	•		
Continue with the roll out of agile working practices	Martin Wiles / Matt Fulford Martin Wiles / Matt FulfordMartin Wiles	Nov-17	Nov-18	On target	Possible	Ongoing	90% of Professional services complete		•	•	•	
Complete BREEAM design stage for Fry Building	dMartin Wiles	Nov-17	Nov-18	On target	Possible	Complete	Awaiting BREEAM certificate				•	

Complete BREEAM construction	Mart	Nov-17	Nov-18	On target	Possible	Ongoing	Fry building not yet completed.				•	
PCR for Fry Building	Martin Wiles	17	18	arget	ble							
Complete BREEAM design for Queens extension	Martin Wiles	Nov-17	Nov-18	On target	Possible	Complete	Excellent achieved				•	
Complete BREEAM for any other projects during the year 2017-2018	Martin Wiles	Nov-17	Nov-18	On target	Possible	Ongoing	Started for Library, TQEC, Senate House				•	
Start BREEAM process for the Temple Quarter	Martin Wiles	Nov-17	Nov-18	On target	Possible	Ongoing	Started				•	
Start BREEAM process for the new Library	Martin Wiles	Nov-17	Nov-18	On target	Possible	Ongoing	Started				•	
Review Sustainable Construction Strategy	Martin Wiles	Nov-17	Nov-18	On target	Possible	Ongoing	Review started				•	
Review Sustainability brief for use in capital projects	Ма	Nov-17	Nov-18	On target	Possible	Ongoing	Review started				•	
Secure apporval for space standard as set out within Space Utilisation strategy	Martin Wiles	Nov-17	Nov-18	On target	Possible	Not complete	Awaiting the new capital porjects manual.					
Write Delivery Strategy for Sustainability through Education	Martin Wiles	Dec-17	Dec-18	On target	Yes	Ongoing	to be considered in 2018-2019	•				

Write Delivery Strategy for Research and Knowledge Transfer	Martin Wiles	Dec-17	Jul-19	On target	Yes	Ongoing	to be considered in 2018-2019	•			
Write Delivery Strategy for Engaging with our Communities	Martin Wiles	Dec-17	Jul-19	On target	Yes	Ongoing	to be considered in 2018-2019		•		

Emissions. Discharges and the Environmental Management System	Circular Economy	Sustainable Procurement	Responsible Investment	Ethical and Sustainable Food
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	Emissions, Discharges and the Environmental Management System	Circular Economy Emissions. Discharges and the Environmental Management System	Sustainable Procurement Circular Economy Emissions Discharges and the Environmental Management System	Responsible Investment Sustainable Procurement Circular Economy Emissions Discharges and the Environmental Management System

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