

Completed carbon & water projects 2019/20

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est annual £ savings	2019/20 spend inc VAT	Notes
UoR035h	Lighting upgrades 2019/20	Edith Morley corridors, stairwells, toilets, RUSU offices/shops, Archaeology	25 £	10,000 £	232,071	
UoR130a	IT Greenlands Server Rationalisation	Greenlands	25 £	15,000 £	16,440	
UoR044f	Solar PV externally-funded	A073 Cedar Farm Dairy Unit	13 £	1,750 £	996	Externally funded
TBC	Roof replacement/insulation	JJ Thomson	TBC	TBC	TBC	Maintenance-funded project
TBC	Power Factor Correction	A073 Cedar Farm Dairy Unit	TBC	TBC	TBC	Maintenance-funded project
UoR122b	Whiteknights heat decarbonisation study	Energy Centre	- £	- £	4,000	Very high level study (phase 1)
UoR122c	Water Source Heat Pump - external funding investigation	Greenlands	- £	- £	9,600	Advice on potential off balance sheet solutions
UoR123b	Central vacuum system - research labs	Chemistry	4 £	6,210 £	5,000	
UoR109d	Windowmaster controls	Henley Business School	3 £	1,500 £	8,449	
n/a	Behaviour change, comms, events 2019/20	n/a	- £	- £	10,043	
UoR054a	Sub-metering rollout - Elec	Multiple	- £	- £	4,225	
TBC	Low cost/re-active in-year opportunities for efficiency improvements	Minor BMS works, WK House hand dryer	0 £	500 £	9,547	
Total:					£ 300,372	

A further £46,852 was spent on mandatory 5-yearly air conditioning TM044 energy inspections, identifying a number of future opportunities for energy savings

Planned carbon and water projects 2020/21

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est £ savings p.a.	Approx 2020/21 spend inc VAT
UoR139	Re-connect hot water to district heating	Chemistry	10 £	10,000 £	50,000
UoR035h	Corridor lighting & controls	URS corridor T8 lighting, Meteorology	10 £	5,000 £	30,000
UoR035i	Corridor lighting & controls	Carrington, Agriculture	15 £	8,000 £	50,000
UoR130	IT data centre efficiency	Lyle, Maths & IT, Met/Psychology Link	12 £	6,000 £	30,000
UoR140	Fume cupboard face velocity review	Multiple	32 £	20,000 £	20,000
UoR141	Lag exposed heating pipework	Harry Nursten	20 £	4,000 £	15,000
UoR142	Improve insulation about ferenga heating	Edith Morley	20 £	4,000 £	20,000
UoR044h	Solar PV	JJ Thomson	34 £	21,000 £	105,000
UoR122b	Energy Centre decarbonisation - feasibility	Energy Centre	-	-	20,000
UoR122b	Air source heat pump feasibility	Estates	-	-	15,000
UoR122c	Water Source Heat Pump EPC solution	Greenlands	-	-	25,000
TBC	Heating, ventilation & air con review	Hopkins	- £	- £	15,000
TBC	Ventilation design review	Lyle	- £	- £	5,000
UoR054a	Sub-metering rollout - Elec	Multiple	-	-	20,000
UoR054a	Sub-metering rollout - Mech	Multiple	-	-	20,000
UoR123b	Lab equipment upgrade/scrappage scheme	Multiple	3 £	2,000 £	8,000
n/a	Behaviour change, comms, events	n/a	-	-	21,000
n/a	Health & Life Science energy monitoring	n/a	-	-	10,000
n/a	Low cost/re-active in-year opportunities for efficiency improvements		-	-	3,000
Total:					£ 482,000