

Completed carbon & water projects 2018/19

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est annual savings	2018/19 spend inc VAT	Notes
UoR122a	District heat connection - Chem Research & Hopkins	Chemistry research, Hopkins	163 £	107,500 £	254,521	Includes £134,270 Maintenance contribution. £434,870 also spent in 2017/18
UoR108	Air Conditioning control upgrades	Multiple	10 £	4,000 £	-	
UoR108	A/C - Smartcool controls		0	30 £	14,000 £	-
UoR108	A/C - Coolphase/Solx cooling	Agriculture	n/a	n/a £	-	Trial of alternative cooling system
UoR109	Windowmaster controls	Minghella	10 £	10,000 £	12,212	
TBC	Edith Morley zoned heating	Edith Morley	5 £	5,000 £	-	Maintenance project
UoR35g	Lighting upgrades	Edith Morley	9 £	4,663 £	32,223	
UoR054a	Sub-metering rollout - Elec	Multiple	0 £	- £	19,145	Principally London Road
UoR054a	Sub-metering rollout - Mech	Multiple	0 £	- £	569	
UoR44d	Solar PV	Wager	17 £	5,000 £	30,671	
UoR44d	Solar PV	Edith Morley	n/a	n/a £	854	Minor additional cost from 2017/18
UoR44e	Solar PV	L022, L033 & MERL	16 £	1,650 £	1,503	Externally funded

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est annual £ savings	2018/19 spend inc VAT	Notes
UoR122c	Surface Water Source Heat Pump	Greenlands Main House complex	n/a	n/a	89,594	Detailed design work (on hold)
UoR130	IT energy efficiency feasibility study	Whiteknights, London Rd, Greenlands	25 £	11,000 £	9,300	Feasibility study
UoR136	IT server rationalisation	Whiteknights	100 £	42,000 £	-	IT-led project
UoR122a	District heat extension - financial model for grant application		0	n/a	n/a	11,841
UoR122c	Conference room HVAC control review	Greenlands Main House + River House	n/a	n/a	6,120	Feasibility study
n/a	Install door closers by café	L046 Architecture	0 £	500 £	1,822	
UoR134	Battery storage trial	Harry Pitt sub-station	n/a	1,000 £	-	Externally funded
UoR123d	Water efficiency surveys	Multiple	15 £	25,000 £	398	
UoR123e	SportsPark showers	Multiple	3 £	4,000 £	2,000	Contribution to SportsPark project
UoR035g	SportsPark Sports Hall lighting	SportsPark	9 £	4,322 £	4,800	Contribution to SportsPark project
UoR028	Awareness Campaign 2018/19	Multiple	10 £	-£	13,501	
n/a	Low cost/re-active in-year opportunities for efficiency improvements	Multiple	0 £	-£	8,811	
Total: £					499,885	

Planned carbon and water projects 2019/20

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est £ savings p.a.	Approx 2019/20 spend inc VAT
TBC	Energy Performance Contracts investigation	Multiple	-	-	35,000
UoR044f	Solar PV externally-funded	Multiple Whiteknights, Farms	100 £	20,000 £	-
UoR122b	Whiteknights heat decarbonisation study	Multiple	-	-	40,000
UoR122c	Water Source Heat Pump funding options	Greenlands	-	-	25,000
n/a	Trial of SKA HE assessments	n/a	-	-	10,000
n/a	Develop next 5-10 yr CM plan	n/a	-	-	10,000
UoR035h	Corridor lighting & controls	Edith Morley	25 £	10,000 £	70,000
UoR035g	SportsPark Sports Hall lighting	SportsPark	10 £	5,000 £	5,000
UoR130	IT efficiency – server room vent/cooling	Multiple	12 £	6,000 £	25,000
UoR109d	Windowmaster controls	Henley Business School	3 £	1,500 £	10,000
UoR108	Smartcool a/c control trial	Multiple	4 £	2,000 £	20,000
UoR108	Low carbon cooling trial	Agriculture	-	-	25,000
UoR122c	HVAC controls	Greenlands	4 £	2,000 £	15,000
UoR110	Energy efficient HVAC motors/pumps	Eat @ Square	2 £	1,000 £	5,000
UoR054a	Sub-metering rollout - Elec	Multiple	-	-	10,000
UoR054a	Sub-metering rollout - Mech	Multiple	-	-	15,000
UoR123b	Lab equipment upgrade/scrapage scheme	Multiple	2 £	1,000 £	5,000
n/a	Behaviour change, comms, events	n/a	-	-	19,500
n/a	Low cost/re-active in-year opportunities for efficiency improvements	TBC	-	-	4,600
Total:					£ 349,100