

Completed carbon & water projects 2021/22

Revenue funded

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est annual £ savings	2021/22 spend inc VAT	Notes	
UoR035i	LED lighting & controls	TOB2/URS	6 £	3,500 £	16,220		
UoR155a	Whiteknights Energy Centre/district heating - optimisation	Multiple	--	£	72,040		
UoR155b	Energy Centre stage 1 decarbonisation feasibility/design	Energy Centre	- £	- £	108,477	£50,227 from GHNF grant	
UoR156	Air Source Heat Pump retrofit design	SportsPark & SportsPavilion	--	£	27,372		
UoR141a	Lag exposed heating pipework	Harry Nursten	13 £	2,686 £	16,529		
UoR139	Re-connect Chemistry hot water to district heating network	Chemistry	10 £	9,000 £	55,302		
UoR158	TOB2 double glazing	TOB2	11 £	1,378 £	376,549	<i>Paid by Maintenance</i>	
UoR159	TOB2 roof replacement	TOB2	57 £	7,142 £	367,644	<i>Paid by Maintenance</i>	
n/a	Utility meter connections	London Road, Meteorology, Psychology	- £	- £	3,628		
UoR160	Cheetah demand control for catering ventilation savings	Park Eat	22 £	20,127 £	26,268	<i>Paid by Catering</i>	
TBC	No Watt Energy Monitoring	Park Eat	- £	- £	8,880		
n/a	Low cost/re-active in-year opportunities for efficiency improvements	n/a	--	£	8,970		
n/a	Health & Life Science energy monitoring	HLS	--	£	7,650		
n/a	GHNF grant funding application consultancy	Energy Centre	- £	- £	7,920		
Total:					£	1,103,449	

Completed carbon & water projects 2021/22 (cont...)

Funded by Salix Finance's Public Sector Decarbonisation Fund

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est annual savings	£	2021/22 spend inc VAT	Notes
UoR157	Earley Gate Heat Decarbonisation Plan study	TOB2, Agriculture, Meteorology, Harry Pitt, Met/Psych link	n/a	n/a	£	76,764	£27,364 paid by UoR
UoR145	Elec BMS improvements	Harry Pitt, Met/Psych, Meteorology, Agriculture	6 £	3,409	£	38,303	
UoR145	Heating BMS improvements	Hopkins, Harry Pitt, Met/Psych, Meteorology, Agriculture	10 £	2,149	£	45,805	£1,012 paid by UoR
UoR04i	Rooftop PV installations	460 kWp solar - SportPark, Met, Agric, Psychology, Harry Pitt, Archaeology, Energy Centre	99 £	59,369	£	436,527	£24,559 paid by UoR inc planning
UoR146	Metering improvements	12 Whiteknights buildings	--		£	31,259	£9,614 paid by UoR
UoR035l	Lighting upgrades	London Rd campus	45 £	27,177	£	382,771	£118,394 paid by UoR
UoR035k	Lighting upgrades	Whiteknights campus (3 buildings)	107 £	64,452	£	678,924	£60,717 paid by UoR
UoR035j	Lighting upgrades	Greenlands Henley Business School	60 £	36,230	£	381,421	£35,383 paid by UoR
UoR035m	Studio Lighting	Minghella Studio Lamps	13 £	7,791	£	172,919	
UoR147	Heating pipework improvements	URS	76 £	15,549	£	308,806	£78,891 paid by UoR
UoR148	Heating pipework improvements	Greenlands Main House	56 £	12,987	£	260,145	£91,172 paid by UoR
UoR141c	Pipework insulation	Greenlands + other ad hoc plant rooms + URS internal	14 £	2,917	£	50,971	
UoR151	AHU replacements	Multiple	26 £	15,315	£	95,526	£15,048 paid by UoR
UoR152	AC replacements	Multiple - as identified in TM044 surveys	12 £	7,113	£	58,233	
UoR152	AC insulation	Multiple - as identified in TM044 surveys	4 £	2,671	£	13,492	£5,500 paid by UoR
UoR101c	Farms refrigeration upgrades	CEDAR Farm	27 £	16,295	£	84,338	£75,598 paid by UoR
Total:					£	3,116,204	£543,252 paid by UoR

Planned carbon and water projects 2022/23

Revenue funded

Project Ref	Project description	Building(s)	Est CO ₂ savings	Est £ savings p.a.	Approx 2021/22 spend inc VAT
UoR155a	Whiteknights Energy Centre/district heating - Edith Morley, Harry Nursten optimisation	Energy Centre	4 £	6,500 £	70,000
UoR155b	Energy Centre decarbonisation design	Energy Centre	-	-	150,000
UoR155b	Energy Centre decarbonisation borehole drills	Energy Centre	-	-	500,000
UoR156	SportsPark heat decarbonisation design	SportsPark	-	-	60,000
UoR156	SportsPark heat decarbonisation	SportsPark	-	-	440,000
UoR136c	Data Centre partition	Maths/IT	TBC	TBC £	20,000
UoR140	Fume cupboard face velocities - review and reduction	Multiple	32 £	20,000 £	20,000
UoR141b	Improve loft insulation (inc pipework)	Edith Morley	40 £	5,000 £	45,000
TBC	Review of/feasibility for grant-eligible heat decarbonisation projects	TBC	-	-	20,000
TBC	Feasibility to de-gas Harry Nursten steam provision	Harry Nursten	-	-	10,000
TBC	Estate-wide A/C controls review - inc potential for PIRs	Multiple	2 £	2,500 £	5,000
TBC	Catering monitoring and cellar cooling	Park Eat	TBC	TBC £	-
TBC	CEB - LED lighting in Growth Rooms	Multiple	24 £	15,000 £	-
TBC	Whiteknights electrical capacity review	Multiple	-	-	30,000
TBC	Water metering improvements	Multiple	-	-	20,000
UoR054d	Sub-metering rollout	TBC	-	-	10,000
TBC	Small power electricity metering trial	TBC	2 £	2,500 £	10,000
TBC	Solar PV	Erlegh House	TBC	TBC £	-
TBC	Solar panel inverters	Multiple	TBC	TBC £	20,000
TBC	Air Conditioning refrigerant gas phaseout	Multiple	TBC	TBC	TBC
TBC	Lab equipment upgrade/scrappage scheme	Multiple	2 £	1,500 £	5,000
n/a	Low cost/re-active in-year opportunities for efficiency improvements		-	-	7,552
n/a	Behaviour change, comms, events	n/a	-	-	25,000
n/a	Health & Life Science energy monitoring	n/a	-	-	5,000
n/a	Compliance	n/a	-	-	8,500
n/a	Utility billing forensic audit	n/a	-	-	-
Total:					£ 1,481,052