# Completed energy, carbon & water projects 2021/22



## Revenue funded

	n/a	n/a	n/a	TBC	UoR160	n/a	UoR159	UoR158	UoR139	UoR141a	UoR156		UoR155b	OOKISSA	UoR035i	Project Ref
	GHNF grant funding application consultancy	Health & Life Science energy monitoring	Low cost/re-active in-year opportunities for efficiency improvements	No Watt Energy Monitoring	Cheetah demand control for catering ventilation savings	Utility meter connections	TOB2 roof replacement	TOB2 double glazing	Re-connect Chemistry hot water to district Chemistry heating network	Lag exposed heating pipework	Air Source Heat Pump retrofit design	feasibility/design	Energy Centre stage 1 decarbonisation	whiteknights Energy Centre/district heating - optimisation	LED lighting & controls	Project description
	Energy Centre	HLS	n/a	Park Eat	Park Eat	London Road, Meteorology, Pyschology	TOB2	TOB2	ct Chemistry	Harry Nursten	SportsPark & SportsPavilion	!	Energy Centre	Multiple	TOB2/URS	Building(s)
		ı	,	ı	42,342	ı	,	59,789	,	77,526			•	,	23,513	Est kWh Est CO <sub>2</sub> savings
Total:	-£	-£	r Fb	£	22 £	÷	57 £	11 £	10 £	13 £	- £		-£	Ļ	6 £	Est ann savings
	,	ı	ı	,	20,127	ı	7,142	1,378	9,000	2,686	,				3,500	Est annual £ savings
£	£	₩	Ħ	Ħ	Ħ	£	Ħ	Ħ	Η'n	Ħ	₩		Η̈́	H	) H	2021/22 spend in
1,103,449	7,920	7,650	8,970	8,880	26,268 Paid by Catering	3,628	367,644Paid by Maintenance	376,549Paid by Maintenance	55,302	16,529	27,372	grant	108,477£50,227 from GHNF	/2,040	16,220	2021/22 Spend inc VAT Notes

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



## Funded by Salix Finance's Public Sector Decarbonisation Fund

<b>3,116,204</b> £543,252 paid by UoR	3,116,204	al:	Total:				
84,338 £75,598 paid by UoR	84,338	16,295 £	27 £	192,000	CEDAR Farm	Farms refrigeration upgrades	UoR101c
£5,500 paid by UoR	13,492	2,671 £	4 £	12,783	Multiple - as identified in TM044 surveys	AC insulation	UoR152
					surveys		
	58,233	7,113 £	12 £	34,039	Multiple - as identified in TM044	AC replacements	UoR152
£15,048 paid by UoR	95,526	15,315 £	26 £	101,482	Multiple	AHU replacements	UoR151
					rooms + URS internal		
	50,971	2,917 £	14 £	77,526	Greenlands + other ad hoc plant	Pipework insulation	UoR141c
£91,172 paid by UoR	260,145	12,987 £	56£		Greenlands Main House	Heating pipework improvements	UoR148
£78,891 paid by UoR	308,806	15,549 £	76 £		URS	Heating pipework improvements	UoR147
	172,919	7,791 £	13 £	42,741	Minghella Studio Lamps	Studio Lighting	UoR035m
					School		
381,421 £35,383 paid by UoR	381,421	36,230 £	60£	239,471	<b>Greenlands Henley Business</b>	Lighting upgrades	UoR035j
£60,717 paid by UoR	678,924	64,452 £	107 £	426,253	Whiteknights campus (3 buildings)	Lighting upgrades	UoR035k
£118,394 paid by UoR	382,771	27,177 £	45 £	177,261	London Rd campus	Lighting upgrades	UoR035I
£9,614 paid by UoR	31,259	Ħ	:	,	12 Whiteknights buildings	Metering improvements	UoR146
inc planning					Agric, Psychology, Harry Pitt, Archaeology, Energy Centre		
£24,559 paid by UoR	436,527	59,369 £	3 ee	n/a	460 kWp solar - SportsPark, Met,	Rooftop PV installations	UoR044i
					Meteorology, Agriculture		
£1,012 paid by UoR	45,805	2,149 £	10 £	57,103	Hopkins, Harry Pitt, Met/Psych,	Heating BMS improvements	UoR145
					Meteorology, Agriculture		
	38,303	3,409 £	6 £	22,444	Harry Pitt, Met/Psych,	Elec BMS improvements	UoR145
					Harry Pitt, Met/Psych link	study	
76,764 £27,364 paid by UoR	76,764	n/a £	n/a	n/a	TOB2, Agriculture, Meteorology,	Earley Gate Heat Decarbonisation Plan	UoR157
Notes	2021/22 spend inc VAT	ual £	Est CO <sub>2</sub> Est ann savings	Est kWh Esavings s	Building(s)	Project description	Project Ref

# Planned energy, carbon and water projects 2022/23



#### Revenue funded

n/a Utilit	n/a Com	n/a <b>Heal</b> t	n/a <b>Beha</b>		n/a Low	TBC Lab e	TBC Air C	TBC <b>Solar</b>	TBC Solar PV	TBC Smal	UoR054d Sub-i	TBC Wate	TBC Whit	TBC CEB -	TBC Cate	TBC Estat		TBC Feasi	TBC Revi	UoR141b Impr	UoR140 Fumo	UoR136c Data	UoR156 Sport	UoR156 Sport	UoR155b Energ	UoR155b Energ	UoR155a <b>Whit</b> <b>opti</b> n	Ref
Utility billing forensic audit	Compliance	Health & Life Science energy monitoring	Behaviour change, comms, events	efficiency improvements	Low cost/re-active in-year opportunities for	Lab equipment upgrade/scrappage scheme	Air Conditioning refrigerant gas phaseout	Solar panel inverters	PV	Small power electricity metering trial	Sub-metering rollout	Water metering improvements	Whiteknights electrical capacity review	CEB - LED lighting in Growth Rooms	Catering monitoring and cellar cooling	Estate-wide A/C controls review - inc potential for PIRs	ision	Feasibility to de-gas Harry Nursten steam	Review of/feasibility for grant-eligible heat decarbonisation projects	Improve loft insulation (inc pipework)	Fume cupboard face velocities - review and reduction	Data Centre partition	SportsPark heat decarbonisation	SportsPark heat decarbonisation design	Energy Centre decarbonisation borehole drills Energy Centre	Energy Centre decarbonisation design	Whiteknights Energy Centre/district heating - Edith Morley, Harry Nursten optimisation	
n/a	n/a	n/a	n/a			Multiple	Multiple	Multiple	Erlegh House	TBC	TBC	Multiple	Multiple		Park Eat	Multiple		Harry Nursten	TBC	Edith Morley	Multiple	Maths/IT	SportsPark	SportsPark	l <b>ls</b> Energy Centre	Energy Centre	- Edith Morley, Harry Nursten	9
-	1	ı	ı		1	2 £	TBC	ТВС	TBC	2 £	1	ı		24 £	TBC	2 £		-	,	40 £	32 £	TBC	-	-	-		4	savings p.a.
- <b>-</b> £	-£	-£	-£		- £	1,500 £	TBC	TBC£	TBC£	2,500 £	-£	-£	-£	15,000 £	TBC£	2,500 £		-£	-£	5,000 £	20,000 £	TBC £	- £	- £	-£	-£	6,500 £	spend
	8,500	5,000	25,000		7,552	5,000	ТВС	20,000	1	10,000	10,000	20,000	30,000	,		5,000		10,000	20,000	45,000	20,000	20,000	440,000	60,000	500,000	150,000	70,000	spend inc VAT