University of Reading

Completed energy, carbon & water projects 2025/26

Project Ref	Project description	Building(s)	Est kWh savings	Est tCO_2 savings	Est annual savings	2025/26 Total Spend inc VAT	*Notes*
UoR155c	**Whiteknights heat decarbonisation & renewables consultancy**	Multiple	n/a	n/a	n/a £	124,208	*Consultancy*
UoR054d	**Sub-metering repair & expansion**	Multiple	n/a	n/a	n/a £	7,874	
UoR054d	**Heat meter testing and replacement**	Multiple	n/a	n/a	n/a-£	1,467	
UoR164	**Harry Nursten steam de-gassing**	Harry Nursden	n/a	- 6	£ - £	-	
UoR167	**Health & Life Science energy optimisation**	Health & Life Sciences	TBC	TBC	TBC £	66,852	
UoR169a	**Loft space insulation rollout**	Greenlands - multiple	21,282	5	£ 2,166 £	17,917	
UoR035q	**Carrington lighting replacement**	Carrington	17,431	4	£ 4,706 £	208,863	*Maintenance-funded*
UoR148	**Review operation & energy performance of eTRV system**	Greenlands Main House	32,641	8	£ 2,981 £	23,725	
UoR190	**Decommission CHP engine**	Energy Centre	3,410,045	580	-£ 55,365 £	-	
TBC	**Sewer heat/flow monitoring (ReCirc Energy)**	Multiple	n/a	n/a	n/a £	5,837	*Continued from 2024/25*
UoR035s	**Lighting controls and lighting behaviour change campaign**	Multiple	75,829	?	? £	145,507	
UoR180	**Intelligent boiler load controls**	Multiple	112,441	21	£ 8,860 £	29,988	
UoR044k	**Whiteknights solar PV expansion 25/26 (phase 1)**	Minghella, Library, Henley Business School, ICMA, Russell	365,450	71	£ 95,017 £	652,379	
TBC	**Art building optimisation**	Art	14,702	3	£ 1,780 £	13,414	
TBC	**URS BREEAM alternatives review**	URS	-	-	£ - £	33,600	
UoR101	**Lab equipment upgrade/scrappage scheme**	Multiple	10,576	2	£ 1,756 £	9,624	
UoR187	**Liquid nitrogen recycling cooler**	TBC	n/a	n/a	n/a £	10,000	
UoR188	**Gas fiscal AMR rollout**	Multiple	n/a	n/a	n/a £	-	
UoR189	**Foxhill House heating feasibility study**	Foxhill House	n/a	n/a	n/a £	11,784	
UoR156	**SportsPark WSHP additional controls**	SportsPark	9,162	2	£ 2,226 £	14,156	
n/a	**Low cost/re-active in-year opportunities for efficiency improvements**	Low cost	-	-	- £	497	
UoR182	**Temperature limiting TRV covers**	Low cost	59,904	11	£ 4,720 £	4,303	
					TOTAL: £	**1,379,060**	

Planned New energy, carbon and water projects 2026/27

Project Ref	Project Description	Building(s)	Est kWh saving	Est tCO_2 Saving	Est annual savings	2026/27 spend inc VAT
UoR155	**Whiteknights campus decarbonisation**	Whiteknights campus	5,313,000	1,359	£256,698	£200,000
UoR166	**Off campus solar and wind generation**	Off campus	TBC	TBC	TBC	inc above
UoR148	**Greenlands Main House - review operation of eTRV system**	Greenlands Main House	32,641	8	£ 2,981	£ 5,000
UoR54d	**Replacement Heat Meters**	Muliple	n/a	n/a	n/a	£ 60,000
UoR190	**Disposal of CHP engine**	Energy Centre	3,410,045	580	-£ 55,365	£ 70,000
UoR181	**Load shifting trial - BEFAST**	Multiple	n/a	n/a	n/a	£ 2,500
TBC	**Art building optimisation**	Art	14,702	3	£ 1,780	£ 31,745
UoR189	**Foxhill House heating**	Foxhill House	TBC	TBC	TBC	£ 50,000
UoR155a	**Whiteknights DHN Optimisation**	Edith Morley, Harry Hursten	311,490	58	£ 26,695	£ 70,000
UoR164	**Harry Nursten Steam decarbonisation**	Harry Nursten	-	20	£ -	£ 70,000
UoR054f	**AMR submetering - new contractor**	Multiple	n/a	n/a	n/a	£ -
UoR054f	**Metering 2026/27**	Multiple	n/a	n/a	n/a	£ 10,000
UoR044l	**Whiteknights Solar Expansion Phase 2**	Multiple + car parks	LM	LM	LM	£ 15,000

Planned new projects 2026/27 (cont)

Project Ref	Project Description	Building(s)	Est kWh saving	Est tCO_2 Saving	Est annual savings	2026/27 spend inc VAT
UoR141d	**Pipework insulation**	Multiple	16,730	3	£ 1,171	£ 5,000
UoR141d	**A/C insulation & clearing**	Multiple	1,100	0	£ 300	£ 2,500
TBC	**Men's Boathouse energy audit**	Men's Boathouse	n/a	n/a	n/a	£ -
UoR194	**Energy efficient control of wifi access points**	Multiple	2,646	0.3	£ 687	£ 2,500
UoR195	**Review of A/C controls strategies**	Multiple	98,548	15	£ 15,343	£ -
UoR187a	**OFF Locally controlled heating & cooling**	Muliple	JM	JM	JM	£ -
UoR035s	**Lighting 2026/27**	SportsPark Hockey Pitch	55,205	7	£ 13,626	£ 5,000
UoR187b	**OFF Small Power**	Multiple	JM	JM	JM	£ 2,000
UoR196	**Commercial Property Efficiency**	Multiple tenanted buildings	LM	LM	LM	£ -
UoR180a	**M2G Sabien boiler optimisers**	Potentials Agriculture, Meterology, Psychology	LM	LM	LM	£ 45,000
UoR180b	**BMS optimisation works (M2G + TM44 etc driven efficiencies)**	as above	LM	LM	LM	£ 5,000
UoR101f	**-70C freezers settings**	Multiple	41,012	5	£ 10,663	£ -