

Appendix

1. List of key sites in an energy performance contract with Vital Energi

1. Guildhall Complex	8. City of London School	14. London Metropolitan Archives
2. Barbican Arts Centre	9. City of London School for Girls	15. Tower Hill Car Park
3. London Central Market (Smithfield)	10. Walbrook Wharf Cleansing Depot	
4. Central Criminal Court	11. Tower Bridge	
5. New Spitalfields Market	12. Mansion House	
6. City of London Freeman's School	13. GSMD (inc. Milton Court and Sundial Court)	
7. Billingsgate Market		

2. Centre of Excellence roles

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Sustainable Investment Property Specialist – Arcadis (in place)	Heat Decarbonisation Engineering Support – Arcadis (in place)
Resilience and Sustainable Design – Arcadis (in place)	Energy Project Services (Housing) – Etude (in place)
Building Management Systems Operations – Schneider (in place)	Monitoring and Targeting – Team Energy Auditing (in place)

3. Whole Life Carbon Assessments – Pilot projects

	Project Name	Areas (m ²)	RIBA Stage	Project Type
1	15-17 Eldon Street & 1st-5th/6 Broad Street Place	10,000	RIBA 3	Office
2	Brewery Road - Refurbishment & Extension	3,931	RIBA 5	Office
3	Finsbury Garden Pavilion and Landscaping	600	RIBA 4	New Build
4	CoL Junior School Expansion	2,400	RIBA 4	School
5	COLPAI - CoL Primary Academy & Islington	8,500	RIBA 5	School

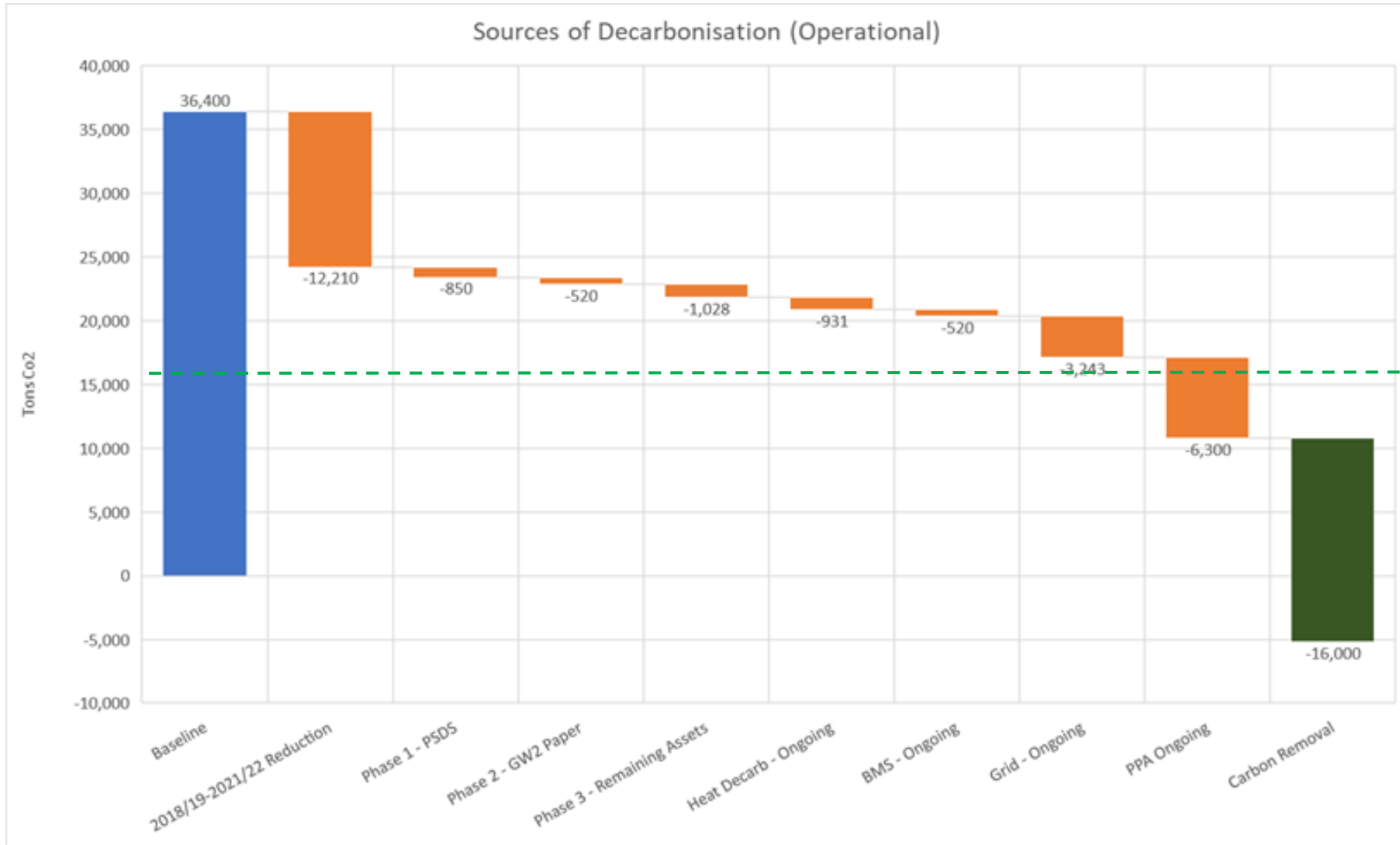
6. Anticipated energy and cost savings from energy conservation measures implemented/planned

Project	Total Energy savings	Annual cost savings (23/24 energy prices)
	kWh/yr	£
PSDS Programme		
PSDS RA-W Barbican Arts Centre	2,838,978	£443,518
PSDS RA-W Silk Street (GSMD)	644,064	£105,848
PSDS RA-W Milton Court (GSMD)	540,326	£95,884
PSDS RA-W Sundial Court (GSMD)	257,836	£53,196
PSDS RA-W John Hossier Anexe	20,057	£4,814
PSDS RA-W Guildhall Complex	584,700	£122,929
PSDS Guildhall Ventilation	2,445,371	£341,040
PSDS Guildhall Chilled Water Mods	160,551	£38,532
PSDS LMA Ventilation	62,410	£14,978
TOTAL	7,554,292	£1,220,738

7. CAS Phase 1 Capital Programme – Indicative Cost, Energy and CO₂ Savings

Site	Project	Energy savings (kWh/yr)	Energy savings (£/yr)	2027 Projected carbon savings (tCO ₂ e/yr)
Barbican Arts Centre	Pumps upgrades	434,717	7,928	43
	Ventilation EC Fans	206,123	49,470	28
	Lighting - Back of House	152,227	36,534	21
	Specialist Lighting	87,185	20,924	18
Guildhall	Lighting upgrades	130,677	31,363	32
	GYE EC Ventilation Fans	60,585	14,540	67
Tower Hill Coach & Car Park	Lighting and ventilation	230,724	55,374	5
Multiple	BEMS Optimisation	395,334	53,699	23
London Metropolitan Archives	LMA Solar PV	39,511	9,483	12
Mansion Hse	Range of M&E upgrades, incl. ASHP	999,411	99,026	8
Epping Forest - Warren	Biomass boiler, pumps, lighting	26,723	11,120	180
Walbrook Warf	Range of M&E upgrades, incl. ASHP	375,476	42,768	20
3 no. Open Spaces	Solar PV and other measures	112,134	26,912	66
GSMD (Silk St & Milton Ct)	Range of M&E upgrades	166,411	39,939	15
Total		3,417,238	499,079	538

7. Waterfall chart showing the impact of interventions (including grid decarbonisation) on achieving the 2027 Scope 1 & 2 target



--- Carbon reduction target (16ktCO2)