

## Appendix

### 1. Top 30 site energy performance and bottom 5 performance overview

Weather Corrected Data: Performance comparison by top 30 sites: Q3 2022/23

Row Labels	Sum of Dec-19	Sum of Dec-21	Sum of Dec-22	Sum of kWh Difference 22 vs 21
Animal Reception Centre	751,067	756,896	706,587	- 50,309
Barbican Arts Centre	18,374,447	13,624,152	16,376,142	2,751,989
Baynard House Car Park	164,268	164,912	164,102	- 810
Billingsgate Market	3,823,144	3,464,910	3,276,461	- 188,449
Bishopsgate Police Station	3,220,588	2,355,145	2,343,203	- 11,942
Central Criminal Court	6,806,868	6,545,577	6,060,769	- 484,808
City of London Crematorium	3,305,197	2,785,623	2,219,907	- 565,716
City of London Freeman's School	4,674,700	4,265,790	4,755,015	489,225
City of London School	3,268,611	3,070,798	3,375,195	304,397
City of London School For Girls	2,292,769	1,755,915	1,708,077	- 47,838
GSMD	1,960,494	1,847,736	1,992,579	144,843
GSMD - Milton Court	3,311,184	3,329,652	4,228,873	899,220
GSMD - Sundial Court	1,798,269	1,614,720	1,506,240	- 108,480
Guildhall Complex	17,373,432	14,255,097	13,153,469	- 1,101,628
London Central Market (Smithfield)	14,836,981	10,330,529	10,966,178	635,650
London Metropolitan Archives	1,277,259	1,422,943	1,202,783	- 220,160
London Wall Car Park	222,445	213,757	206,431	- 7,325
Mansion House	2,138,532	2,076,265	2,028,472	- 47,793
Mayor's Court	211,852	278,159	251,075	- 27,083
New Spitalfields Market (Landlords)	6,705,459	5,824,980	5,861,443	36,463
New Street (21)	1,813,859	2,340,481	2,361,606	21,125
Open Spaces East Heath & Kenwood	192,166	202,747	147,129	- 55,618
Open Spaces Epping Forest	633,258	765,338	648,014	- 117,324
Open Spaces Golders Hill & Extension	400,438	397,775	305,105	- 92,669
Open Spaces Hampstead Heath Leisure	688,100	605,108	652,637	47,528
Open Spaces Parliament Hill	284,855	263,281	274,409	11,128
Streetlighting	3,365,904	2,029,741	1,910,709	- 119,032
Tower Bridge	2,330,547	1,917,549	2,204,006	286,457
Tower Hill Coach & Car Park	551,307	529,950	571,419	41,469
Walbrook Wharf Cleansing Depot	1,684,201	1,962,451	2,108,881	146,429
<b>Grand Total</b>	<b>108,462,202</b>	<b>90,997,977</b>	<b>93,566,914</b>	<b>2,568,937</b>

## 2. Bottom 5 performing sites

### Weather Corrected data

Bottom 5 Performing Sites Weather Corrected	Dec-19	Dec-21	Dec-22	Difference kWh 21 vs 22	Potential Rationale
GSMD - Milton Court	3,311,184	3,329,652	4,228,873	917,688	The increase is due to Citigen heat and Chill. Energy Team is working with the site
New Street (21)	1,813,859	2,340,481	2,361,606	547,746	The site was refurbished from 2017 - 2019, therefore lower consumption during 2019. Site has resumed full occupancy
Walbrook Wharf Cleansing Depot	1,684,201	1,962,451	2,108,881	424,680	Gas heaters in vehicle workshop replaced in 2019, poor roof condition, tenancy
City of London School	3,268,611	3,070,798	3,375,195	106,585	Increase in site activities and development since baseline year. Recommend BEMS management
City of London Freeman's School	4,674,700	4,265,790	4,755,015	80,315	Philip House was unoccupied during baseline year. Emphasis on improved ventilation as a result of covid

Active investigations are ongoing at Milton Court and 21 New Street to confirm the issues in relation to the increases in energy consumption as these continue to perform poorly. Initial indications point to a significant increase in gas consumption at 21 New St since December 2022, and we are exploring with Citigen in relation to Milton Court. A report on the full findings will be provided in due course.

## 3.CO<sub>2e</sub> targets for City of London Corporation

City of London (own operations)	Units	Scope	2018	2019	2020	2021	2022	2023	2024	2025	2026	2030	2035	2040
Corporate Properties and Landlord Area	ktCO <sub>2e</sub>	Scope 1 & 2	36.4	33.9	30.4	24.4	22.8	19.4	18.1	17.0	14.85	7.2	4.5	3.1
Carbon Removals and Land Management (Scope 1)	ktCO <sub>2e</sub>	Scope 1	-16.2	-16.2	-16.2	-16.2	-16.2	-16.2	-16.2	-16.2	-17.64	-17.6	-17.6	-17.6
<b>Total net zero emissions</b>	<b>ktCO<sub>2e</sub></b>	<b>Scope 1 &amp; 2</b>	<b>20.2</b>	<b>17.7</b>	<b>14.2</b>	<b>8.19</b>	<b>6.54</b>	<b>3.18</b>	<b>1.83</b>	<b>0.76</b>	<b>-2.79</b>	<b>-10.5</b>	<b>-13.1</b>	<b>-14.6</b>
Net (negative removed)	ktCO <sub>2e</sub>	Scope 1 & 2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	17.6			
% reduction against baseline year	%	Scope 1 & 2	0%	-7%	-16%	-33%	-37%	-47%	-50%	-53%	-59%			
Target amount to reduce in period	ktCO <sub>2e</sub>	Scope 1 & 2					13.6		4.7		3.2			
% of target to deliver in that period	%	Scope 1 & 2					63%		22%		15%			
Total target amount to reduce	ktCO <sub>2e</sub>	Scope 1 & 2									21.5	To be reduced by 2026/7		

## 4. PSDS Project update

The PSDS projects are now pending practical completion.

## 5. List of key sites in an energy performance partnership with Vital Energi

Guildhall Complex	City of London School	London Metropolitan Archives
Barbican Arts Centre	City of London School for Girls	Tower Hill Car Park
London Central Market (Smithfield)	Walbrook Wharf Cleansing Depot	GSMD – Sundial Ct
Central Criminal Court	Tower Bridge	
New Spitalfields Market	GSMD - Milton Court	
City of London Freeman's School	Mansion House	
Billingsgate Market	GSMD	

High Level Assessments of all the above sites have been completed, with further surveying in progress for the remainder. Projects are now being selected for investment grade proposals with initial work on this well underway. These projects will be presented for gateway approval and are not affected by the review of the capital programme. Projects under consideration will include (but not be limited to):

- Energy efficient lighting and controls
- Improvements to HVAC systems
- Optimisation and improvement of BMS controls
- Hydraulic and pumping optimisation
- Low carbon heating
- Renewables
- Fabric measures and draught proofing.

## 6. Tenant consumption

Note: This table has been newly created due to feedback from stakeholders requesting information about tenant and landlord consumption.

Tenant Consumption figures (kWh)		April - June 2022 Q1	July - Sept 2022 Q2	Oct - Dec 2022 Q3
Electricity	Billingsgate Market	362,744	374,611	337,813
Gas	Billingsgate Market	129,255	33,201	246,683
Electricity	London Central Market (Smithfield)	1,732,696	1,874,316	1,774,216
Electricity	New Spitalfields Market (Landlords)	1,234,481	1,661,938	1,190,681
Electricity	Walbrook Wharf	23,912	23,869	25,429

## 7. Operational properties only

The black bars represent operational portfolio carbon. The grey bars represent projected carbon. The black line shows actual carbon and projected carbon for the City's entire portfolio, including operational, investment and housing. Current quarterly carbon emissions are available in the CAS dashboard

