

Appendix. 1: Top 30 Site Energy Performance & Bottom 5 Performance Overview

Performance comparison by top 30 sites: Q3 2020/21 with Q3 2019/20

Weather corrected rolling 12 month comparison: 12 months to Dec-20 compared to 12 months to Dec-19				
Values				
Site Name	Sum of Dec-19	Sum of Dec-20	Diff. kWh	Diff. %
Animal Reception Centre	700,796	785,276	84,480	12.1%
Barbican Arts Centre	18,392,319	15,389,946	-3,002,373	-16.3%
Billingsgate Mkt (LL & tenant)	3,823,144	3,438,748	-384,396	-10.1%
Bishopsgate Police Station	3,340,106	3,127,286	-212,821	-6.4%
Central Criminal Court	7,273,167	6,208,101	-1,065,067	-14.6%
City of London Crematorium	2,829,542	2,687,872	-141,670	-5.0%
CoL Freeman's School	4,521,211	4,152,470	-368,741	-8.2%
City of London School	2,972,551	2,950,968	-21,583	-0.7%
CoL School for Girls	2,284,709	2,265,887	-18,823	-0.8%
GSMD – Silk St.	2,243,468	1,713,383	-530,085	-23.6%
GSMD - Milton Court	3,283,278	2,547,057	-736,221	-22.4%
GSMD - Sundial Court	1,796,794	1,464,392	-332,402	-18.5%
Guildhall Complex	17,380,631	15,202,156	-2,178,475	-12.5%
Smithfield Mkt (LL & tenant)	15,118,674	10,761,844	-4,356,830	-28.8%
LMA	1,241,560	1,271,775	30,215	2.4%
Mansion House	2,136,057	1,757,808	-378,249	-17.7%
Minorities Car Park	239,882	184,695	-55,187	-23.0%
New Spitalfields Mkt (LL & Tenant)	6,739,688	6,088,609	-651,079	-9.7%
OS Epping Forest	612,979	654,197	41,218	6.7%
OS Golders Hill & Extension	316,411	311,190	-5,221	-1.7%
OS Hampstead Heath	694,374	587,038	-107,335	-15.5%
OS Parliament Hill	263,365	304,933	41,568	15.8%
Snowhill Police Station	761,672	505,535	-256,137	-33.6%
Streetlighting	3,575,693	3,110,360	-465,333	-13.0%
Tower Bridge	2,384,342	1,958,395	-425,947	-17.9%
Tower Hill Coach & Car Park	551,307	495,338	-55,969	-10.2%
Upper Thames St. Tunnel Ltg	236,781	185,277	-51,504	-21.8%
Walbrook Wharf	1,657,364	1,924,723	267,359	16.1%
Wood Street Police Station	1,476,289	908,724	-567,565	-38.4%
New Street (21)	1,813,859	1,867,491	53,632	3.0%
Total	110,662,015	94,811,476	-15,850,539	-14.3%
Bottom 5	Performance Overview			
Walbrook Wharf	Changes in Occupancy & repair of garage heaters.			
Animal Reception	Possible increase in heating and domestic hot water use due to Covid-19.			
21 New Street	Metering reconciliation.			
Open Spaces Parliament Hill	Increased gas consumption from Staff Yard boiler - Team investigating			
Open Spaces Epping Forest	The View gas consumption increase – Team investigating			

Appendix. 2: PSDS project descriptions

Project Names	Energy Cost savings (£/yr)	Carbon savings (tCO2e/yr)
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Cross-cutting

Energy Management Software	£0	0
Building Energy Analyser	£0	0
Sub-Total	£0	0

London Metropolitan Archives

LMA EC Fans	£10,001	8
Sub-Total	£10,001	8

Guildhall Complex

Guildhall EC Fans	£205,413	144
Guildhall Humidifiers	£39,195	370
Guildhall: Cooling Stage 1 Migration Works	£22,477	17
Guildhall Metering	£0	0
Guildhall - Lighting	£74,832	39
Sub-Total	£341,917	570

Barbican Art Centre

BAC Insulation Upgrades	£4,227	51
BAC Damper Works	£49,192	259
BAC Valve Works	£35,433	78
BAC EC Fan upgrades	£39,155	21
BAC BMS recommission/ upgrades	£4,568	14
Barbican Arts Centre Metering	£0	0
BAC - Lighting	£179,241	94
Sub-Total	£311,815	516

GSMD

GSMD Insulation Upgrades	£1,812	22
GSMD Damper Works	£14,282	75
GSMD Valve Works	£32,615	254
GSMD Milton AHU's control and upgrade	£6,335	3
GSMD BMS recommission/ upgrades	£6,769	20
GSMD Milton - Cooling Mods	£25,755	17
Silk St metering	£0	0
Milton Court Metering	£0	0
GSMD Milton - Lighting	£45,244	23
GSMD Silk - Lighting	£32,714	18
GSMD Sundial - Lighting	£45,498	24
Sub-Total	£211,023	456

Total	£874,756	1,549
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Please note that some projects have zero savings directly associated with them as they are enablers to the other projects listed. Their savings are captured within those other projects.

APPENDIX 3: PSDS Programme for project delivery

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Sep-21 completion															
Grant Scheme award decision		█													
Project Manager appointment		█	█												
Internal approvals		█	█												
Finalise Project Plan			█												
Retrofit Accelerator Route															
Mini Competition			█	█											
HLA/IGP			█	█	█										
Works Contract Agreement						█									
Construction						█	█	█	█						
Mar-22 completion															
Grant Scheme award decision		█													
Project Manager appointment		█	█												
Internal approvals		█	█	█											
Finalise Project Plan			█	█											
Retrofit Accelerator Route															
Mini Competition					█	█	█								
HLA/IGP							█	█							
Works Contract Agreement										█					
Construction											█	█	█	█	█

Appendix 4: UK weekly Power Demand: 2016 - 2020

