



# EEAST Monthly Update Jan-2021

## Sustainability Update



### Introduction

We are pleased to publish our first monthly EEAST sustainability update. This document provides information about all things sustainable going on around the Trust - from refurbishments, to waste and recycling schemes, to energy performance. Find all future editions on NeedToKnow and our news archive.

### Key Highlights

**100% Renewable Electricity Generation** EEAST has switched to 100% renewable electricity generation starting 01 April. The REGO scheme will help to build a cleaner, healthier, and resilient future for our staff and local community.

**Carbon Footprinting Project** EEAST has begun the new year by kick-starting a carbon footprinting project with The Carbon Trust. This project will not only allow us to see our overall carbon footprint but will aid in taking steps to improve overall sustainability at EEAST.

**New Recycling Stations** The rollout of recycling stations at some of our AOC sites has begun. This project has begun at Hellesdon and will be rolled out to every site across the Trust.

### **Green Champions Recruited**

The sustainability team have recruited a number of green champions that are actively encouraging and promoting environmental awareness across the Trust.

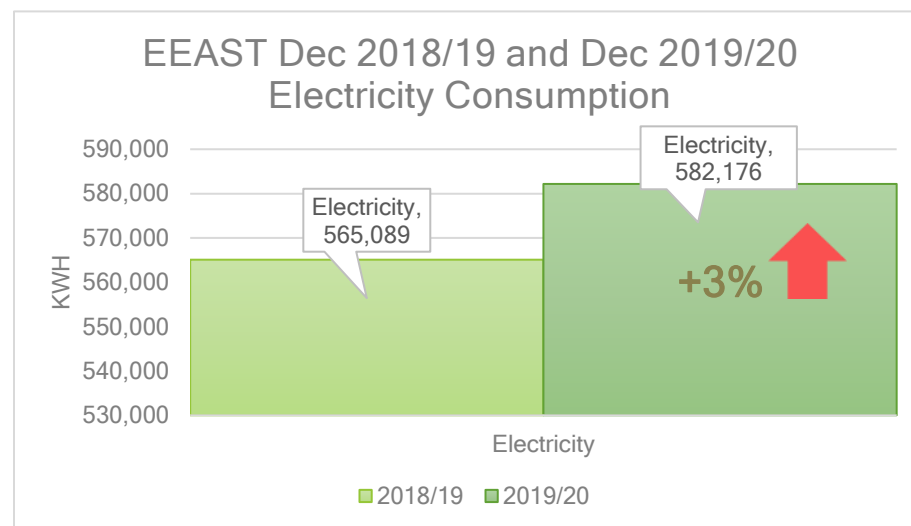
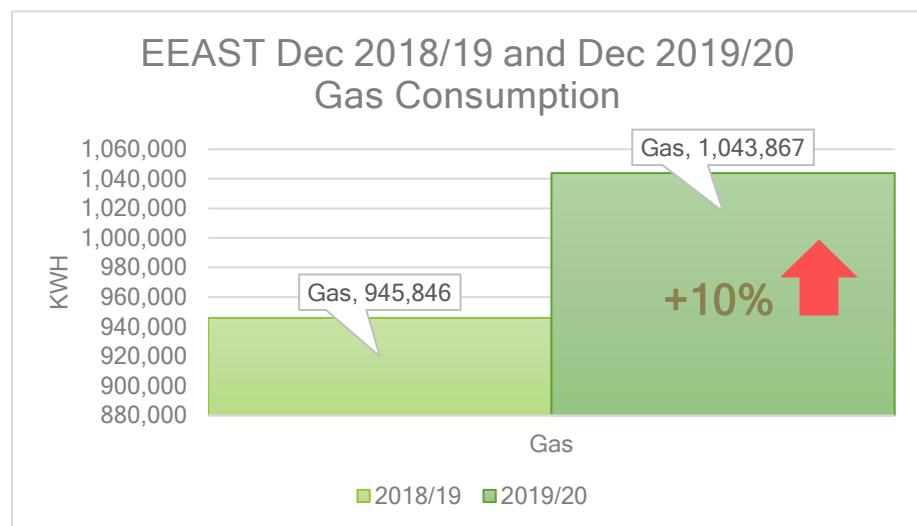


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## Our Energy Performance

### Previous Month

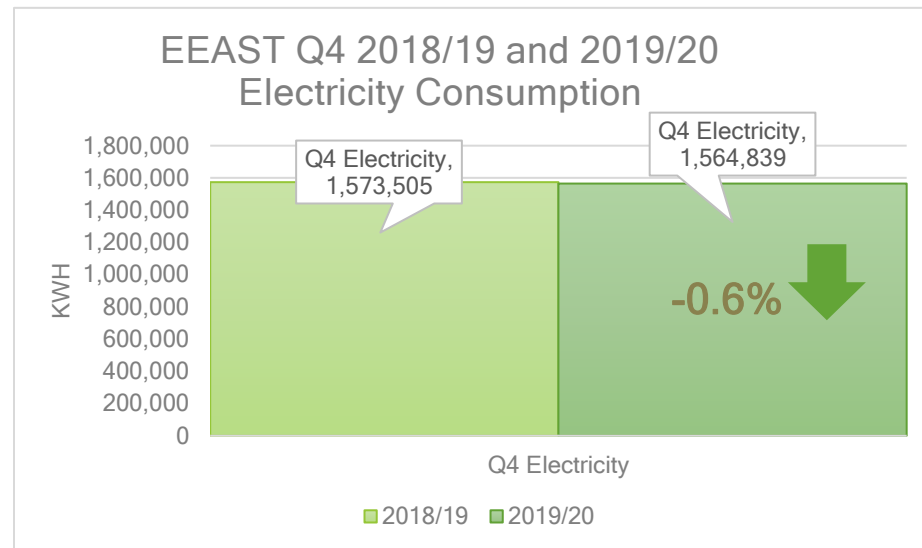
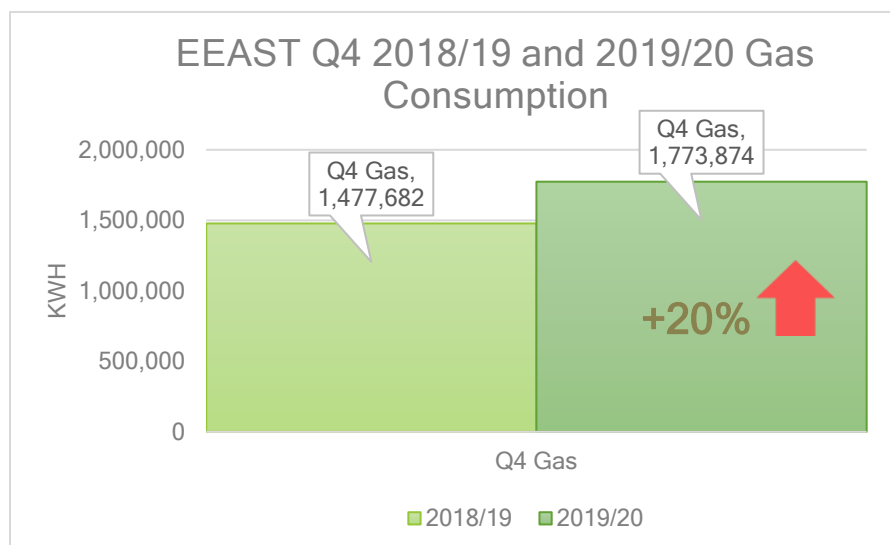
Last month, December 2019/20 both Gas and Electricity consumption at EEAST increased by 10% and 3% respectively compared to December 2018/19.



\*Due to infrequent billing, gas data was unavailable for the following sites: Peterborough, Leighton Buzzard and Chelmsford Ambulance HQ. However, using estimates based on the previous year's consumption, the total usage for these sites is expected to be in the region of 200,000 kWh for December 2020.

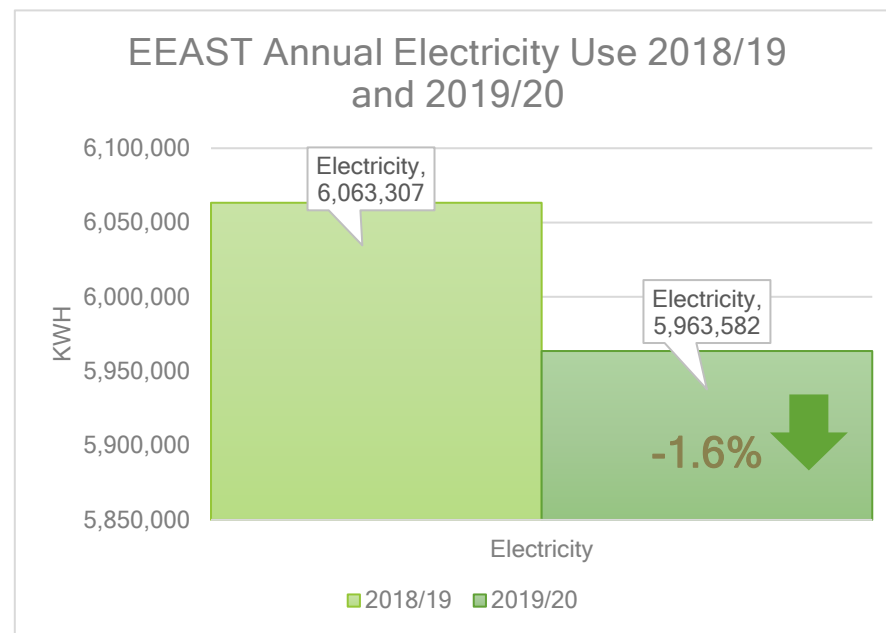
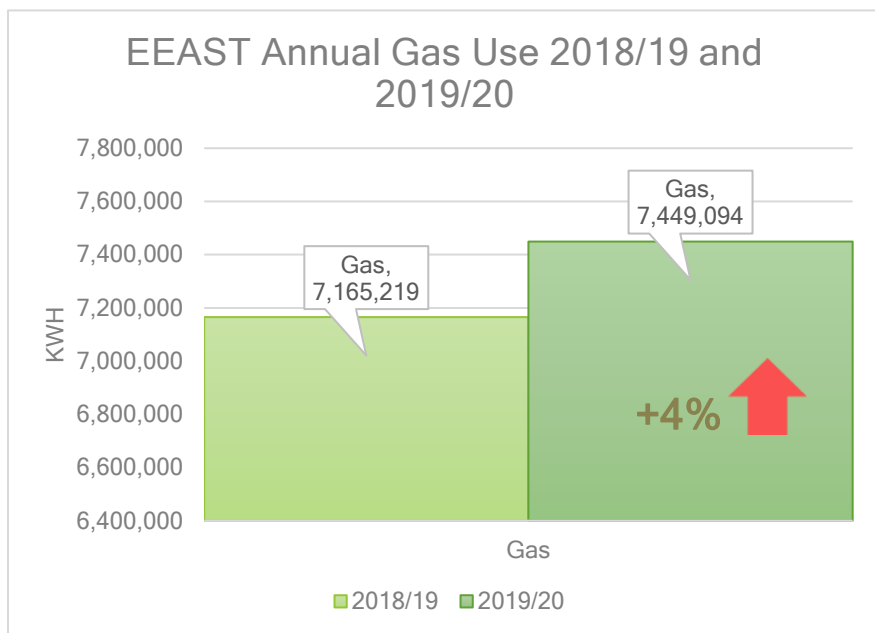
## Previous Quarter

Gas has increased in Q4 2019/20, compared to Q4 2018/19 with electricity falling by -0.6%. Compared to the previous Q4, there was an exceptional increase in gas use (20%) in 2019/20 rising to 1,773,874kWh - the equivalent to powering 104 average UK homes for a year. This is clear reminder that all sites must act to minimise gas consumption i.e., ensuring timer controls are set correctly and that heating is not set to achieve excessive high temperatures.



## Previous Year

In FY2019/20, Gas consumption totaled 7,449,094 kWh across the Trust, rising by 4% compared to FY2018/19. Electricity consumption however decreased by 1.6% on the previous year taking annual consumption to 5,963,582kWh. Both Gas and Electricity cost the Trust approximately £1.3million in 2019/2020.



## Summary

Overall, Electricity consumption across the Trust in 2019/20 has reduced slightly when compared to the previous FY, whereas gas consumption has increased by 4%. The annual increase in gas consumption is seemingly driven by the exponential increase of gas consumption in Q4 2019/20 of 20%. Moving forward into Q1 2021, the sustainability team are carefully monitoring both gas and energy use as well as procuring green tariffs to ensure that our 2021 consumption is significantly lower than 2020. We expect to achieve a 1% reduction target, with aspirations to achieving 2% this year.

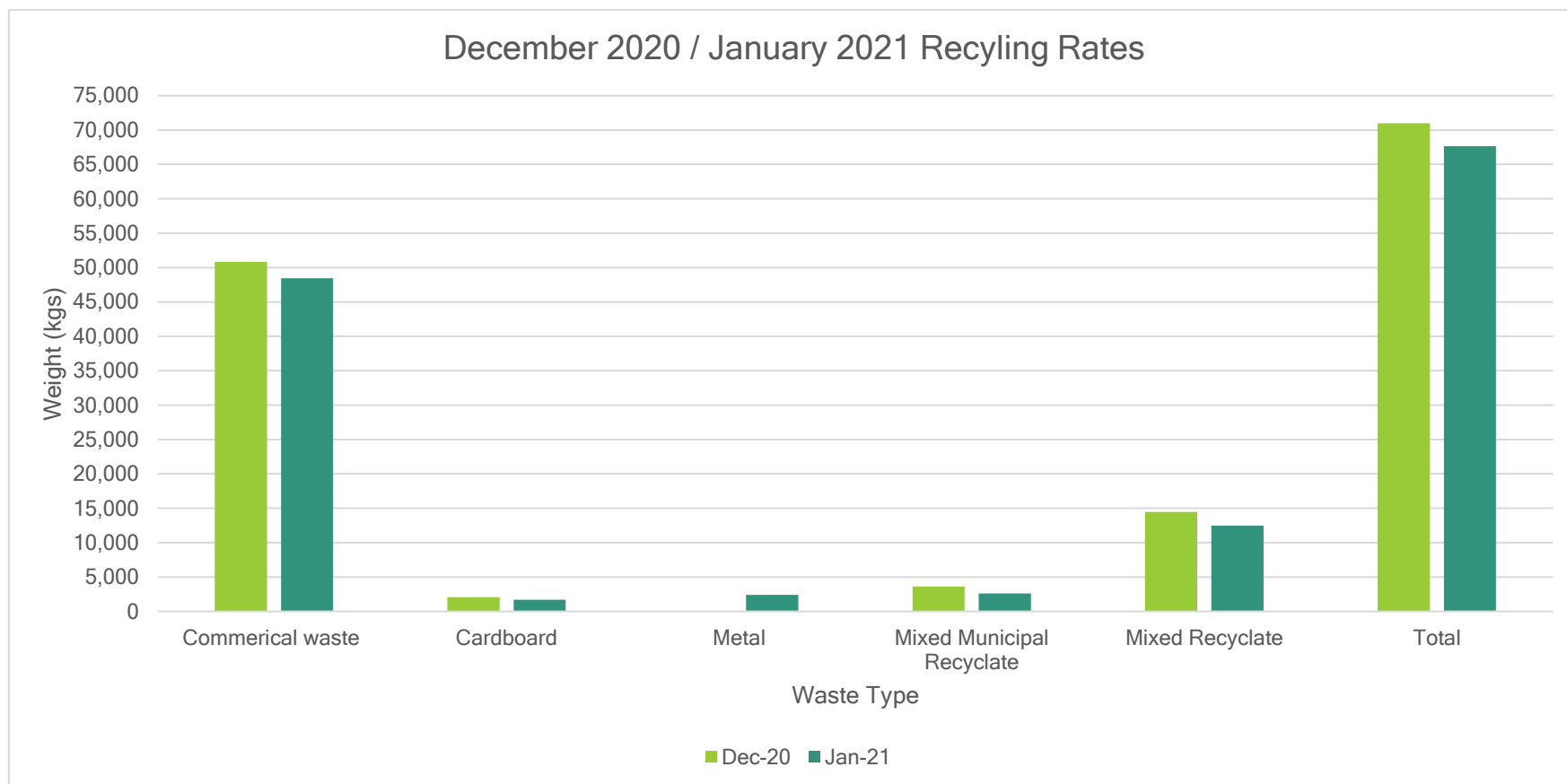
## Energy Intensity

In 2019/20, the sites with the highest energy intensity were Huntingdon, Kings Lynn and Kempston. Therefore, as a Trust it is important to monitor and focus energy efficiency measures at these sites moving forward in order to have significant energy savings.

Site	GIA (m2)	Gas (kWh)	Electricity (kWh)	Energy Intensity	Total Cost (£)
HUNTINGDON AMBULANCE STATION	661	357,060	172,305	800	£ 18,223
KINGS LYNN AMBULANCE STATION	446	172,451	51,350	501	£ 15,725
KEMPSTON AMBULANCE STATION	680	278,546	46,503	478	£ 16,853
CHELMSFORD AMBULANCE HQ	2,089	0	979,169	469	£ 147,594
BEDFORD LOCALITY OFFICE	1,642	176,276	543,467	438	£ 85,916
HELLEDON AMBULANCE STATION	3,228	416,734	985,134	434	£ 156,861
WISBECH AMBULANCE STATION	239	84,154	12,854	406	£ 5,162
EPPING AMBULANCE STATION	28	0	10,643	377	£ 1,736
SWAFFHAM AMBULANCE STATION	178	57,055	9,574	374	£ 3,769
DUNSTABLE AMBULANCE STATION	512	159,687	28,022	366	£ 9,770
LUTON AMBULANCE STATION	2,479	782,903	111,052	361	£ 46,411
BIGGLESWADE AMBULANCE STATION	428	128,323	13,859	332	£ 6,697
CAMBRIDGE AMBULANCE STATION	1,098	282,788	80,626	331	£ 23,390
ONGAR AMBULANCE STATION	112	28,795	6,083	312	£ 1,973
LONGWATER AMBULANCE STATION	819	88,632	155,630	298	£ 28,864
COLCHESTER AMBULANCE STN. (Elmstead Rd.)	119	20,010	15,427	297	£ 3,433
ST. IVES RAPID RESPONSE	123	28,325	7,460	290	£ 2,212
PETERBOROUGH RAPID RESPONSE	56	0	16,267	289	£ 2,344
FELIXSTOWE AMBULANCE STATION	187	42,755	8,720	276	£ 2,772
HARLOW AMBULANCE STATION	793	136,707	81,283	275	£ 18,501
DEREHAM AMBULANCE STATION	213	43,686	14,598	274	£ 4,074
SOUTH WOODHAM FERRERS AMB. STATION	280	63,792	12,302	272	£ 4,285
SOUTHEND AVIATION WAY	1,153	169,864	141,084	270	£ 40,002
MELBOURN AMBULANCE STATION	2,727	422,356	303,979	266	£ 64,883
CANVEY ISLAND AMBULANCE STATION	142	29,062	8,263	262	£ 2,293
COLCHESTER AMBULANCE STN. (Halstead Rd.)	418	37,413	68,224	253	£ 12,804
STEVENAGE AMBULANCE STATION	2,023	388,182	112,585	248	£ 30,043

## Recycling - Dec20 & Jan21

In both December 2020 and January 2021 EEAST's recycling rates were 28% of the total waste generated, the remaining 72% is accounted for in commercial waste and thus goes to an Energy from Waste (EfW) plant. In January 2021, 48,459 kg of waste went to Energy from Waste (EfW) plant - that is equivalent to the total amount of waste an average human would use in 40 years. A major area of focus for the trust is to increase the amount of waste going into recycling streams (Cardboard, Metal, Mixed Municipal and Mixed Recyclate) to prevent large amounts of unnecessary waste going to Energy from Waste (EfW). Through several projects such as the rollout of recycling stations and communications and awareness programs we aim to boost these figures significantly over the coming months.



## Clinical Waste

It is clear the impact of COVID-19 has had on the volume of clinical waste being generated through our day-to-day operations. When comparing data between Feb 20 - Jan 21 the Trust generated 110.82 tonnes of clinical waste, a 120% increase from the same period a year ago.



## What do you think?

Let us know what you think of the latest EEAST monthly news update, or what you would like to see more of:

[sustainability@eastamb.nhs.uk](mailto:sustainability@eastamb.nhs.uk)