

<b>Committee(s):</b> Board of Governors of the Guildhall School of Music & Drama	<b>Date:</b> 21/09/2020
<b>Subject:</b> Guildhall School Carbon Reduction KPI	<b>Public</b>
<b>Report of:</b> The Principal, Guildhall School of Music and Drama	<b>For information</b>
<b>Report Author:</b> Charlotte Lythgoe, Buildings and Operations and Jonathon Poyner, Director of Operations and Buildings, Guildhall School	
<div>Summary</div> <p>The Guildhall School’s original Carbon Reduction Strategy was first approved and published in February 2011, updated in 2014 to include new figures incorporating Milton Court, then again in 2019 to review targets up to 2020. It was a requirement of HEFCE, now replaced by the Office for Students (OfS), that each Higher Education Institution commits “to monitor progress towards targets regularly and to report publicly annually”. This latest update, see table, shows the School’s progress against its carbon reduction targets in respect of scopes 1&amp;2.</p> <p>Scope 1 refers to direct emissions that occur from sources that are owned or controlled by the organisation, e.g. boilers, furnaces and vehicles</p> <p>Scope 2 accounts for emissions from the generation of purchased electricity, gas and district heating and cooling</p> <p>Scope 3 emissions are indirect emissions that organisations produce through their activities but occur from sources not owned or controlled by the organisation e.g. travel, water, waste.</p> <div>Recommendation</div> <p>Members are asked to note the report.</p> <div>Jonathan Poyner Operations &amp; Buildings Director Barbican / Guildhall School of Music &amp; Drama</div> <div>Tel: 0207 382 7301</div>	

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## **Main Report**

1. This has been a particularly pleasing year in that we have beaten our projected targets for the year and are well on the way to exceeding our 2020 targets. We have carried out much more work on our systems and equipment. People and Planet have ranked us 77<sup>th</sup> in the country. This a rise of 60 places from our previous score placing us in the top 50% and the top institution out of specialised drama schools and conservatoires.
2. The School continues to work with colleagues from the City of London Corporation, in particular on a City wide Climate Action Strategy. Work is ongoing and we expect the final version to be published later in 2020. Once the City of London's strategy is published we will develop the School's strategies in line with these and any other requirements such as those from funding bodies.
3. We continue to work on our carbon and energy reduction plans, we now have better control and understanding of the systems and reporting data, our equipment has been serviced and repaired, addressing many historic issues and giving us the opportunity to measure and manage in a more professional way. We continue to make improvements such as enhancing awareness activity, upgrading lighting in certain areas of the School to LED and introduction of Computer Aided Facilities Management System (CAFM) to ensure Planned Preventative Maintenance (PPM) programmes. We continue to work with the City Surveyor and Chamberlain to ensure progress in this area.
4. Because in 2017/18 we delivered beyond our 2020 target of reducing Scope 1 & 2 Carbon emissions for the estate excluding Milton Court, reducing our emissions by 51% (the target had been 43%), we revised our target to a stretch target of a 55% reduction by 2020.
5. The original targets for Milton Court were based on design estimates. These estimates would have made some assumptions regarding the use of the building (including utilisation and type of event), however the use has evolved and the assumptions made would not have taken into account the increase and diversity of activity. We therefore revised the target in-line with known emissions as opposed to design estimates, giving a much more accurate baseline and picture.

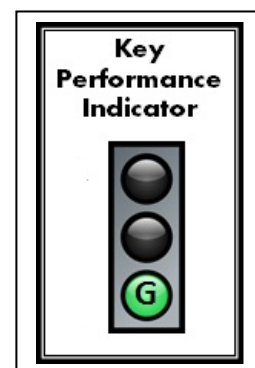
<b>Scope 1 &amp; 2</b>	<b>2019/20 Target in 2019 strategy</b>	<b>Actual as at 2018/19</b>	<b>% Change against baseline</b>	<b>Baseline</b>
Total tonnes CO <sub>2</sub> e for estate (excl Milton Court)	921.395	<b>937.182</b>	-54%	2,047.545 (2005)
Total tonnes CO <sub>2</sub> e for Milton Court	761.909	<b>758.983</b>	-24%	998.851 (2014)
<b>Total tonnes CO<sub>2</sub>e for enlarged estate</b>	1,683.304	<b>1696.165</b>	-44%	3,046.396 (2014)
Approx. total area of estate (m <sup>2</sup> )	33,999	<b>33,999</b>		
<b>Tonnes CO<sub>2</sub>e per m<sup>2</sup> of estate</b>	0.050	<b>0.050</b>		

Table Notes:

- Milton Court 2014 Baseline is calculated against actual use 2013-14

## Scope 1 & 2 Commentary

- We are pleased to report that we have now delivered a 54% reduction in scope 1 & 2 emissions against our baseline for the estate, excluding Milton Court. We are well on track to meet our revised stretch target of 55% reduction by end 2020. This is excellent news as the original target was a 43% reduction.
- We have also already exceeded our revised target for Milton court by 0.38% or 2.92 tonnes of CO<sub>2</sub>e. We expect this trend to continue.
- As a department of the City of London, the School is represented on the City's Energy Board. Our representatives, (under our Alliance), are also working with the City of London's teams in development of a City wide Climate Action Strategy which we envisage will be published in the Autumn of 2020. Once this is in place we will develop our strategies in-line with this and any other requirements.
- Our strategy is to align with, and support the City with its strategy, and we expect to be able to provide some good news stories in the next year in support of the City.



## Scope 3 emissions update

### Waste & Water

- Prior to 2013 water use was mainly estimated against Barbican use, the Guildhall School Silk Street supply coming from the main Barbican supply. From 2013 we

have metered data for Silk Street and from 2018 for Milton Court, where we had previously been estimating on a consumption per m2 basis against the Silk Street Supply. Due to the more accurate and increased data, we have revised the baseline year to be 2013/14 with a 15% reduction target in emissions from water and waste water by 2019/20. We are pleased to report that we have achieved a reduction of 27% compared to the baseline, this is mainly due to lower than estimated actual use for Milton Court.

11. As we had substantially overachieved the target for reduction in emissions from waste, this being due to waste previously sent to landfill now going to energy recovery, we have now revised that target to be a 90% reduction against the 2010/11 baseline, the original target was 30%, which in light of innovations in waste management we felt was not dynamic and ambitious enough. We are pleased to report that we have achieved a 96% reduction against the baseline, a very pleasing result in recognition of the hard work of the team.

### Travel

12. The last analysis of carbon emissions from travel was undertaken in 2014 with the staff travel survey in 2015. A student travel survey was undertaken again in 2018 however the response rate did not give us a large enough data set to calculate the emissions. We undertook student and staff travel surveys again in 2019, and received a very good response, and we will include the results in the 2019/20 report.

### Conclusion

13. We continue to repair and maintain our equipment. We also continue to gain better control and understanding of the systems and reporting data, this enables us to better manage our consumption and design appropriate strategies. Results show the benefits of our change programme and our Alliance approach.
14. The School's current Carbon Reduction Strategy runs until 2020. The Office for Students does not currently have any requirement to maintain a Carbon Reduction Strategy. However, regardless of what OfS decides, we feel it is important to continue to drive forward in this area. As noted we are working with the City of London Corporation on a City wide Climate Action Strategy. Once the City of London's strategy is published (late 2020), and any funder or other requirements are known, we propose to develop our targets and processes to come under the City's own strategy, ensuring line-of-sight alignment and support for this very important and strategic message to the world and our sector.
15. Members are asked to note that due to Covid restrictions it is likely the report next year will be very different, indeed some of the data may seem meaningless given the Covid and closure context, however we will continue to report and record accordingly next year and we are in contact with HESA (Higher Education Statistics Agency) in relation to EMR (Estates Management Record) annual reporting who are yet to release guidance in this area. In our next report we will report two figures, these

being actual figures and projected figures using estimated consumption data i.e. what we estimate we would have emitted in normal pre Covid circumstances.

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