

Committee(s): Board of Governors of the Guildhall School of Music & Drama	Date(s): 8 th September 2021	Item no.
Subject: Guildhall School Carbon Reduction KPI	Public	
Report of: Jonathon Poyner Director of Operations and Buildings	For information	
<p style="text-align: center;"><u>Summary</u></p> <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 the Higher Education Funding Council for England 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&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> <p style="text-align: center;">Recommendations</p> <p>Members are asked to note the KPI report</p> <p>Jonathan Poyner Operations & Buildings Director Barbican / Guildhall School of Music & Drama</p> <p>Tel: 0207 382 7301</p>		

Main Report

1. This has been an unusual year with Covid shutdowns meaning reduced operations at the School from March 2020. We have exceeded our Scope 1 & 2 targets, however, as our teams were extremely quick to respond in shutting down unnecessary plant and equipment during the Covid period we have achieved greater energy savings than would have been expected during normal operations. We are however, pleased to report that half year monitoring carried out in February 2020 showed we were on track to meet our year-end target.
2. Our previous strategy has now come to an end and we have now developed a new Carbon Management Plan for the period 2021-2027, in consultation with City of London Corporation and using the same tools used to develop the City's Climate Action Strategy.
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.

Scope 1 & 2	2020 Target in 2019 strategy	Actual as at 2019/20	% Change against baseline	Baseline
Total tonnes CO ₂ e for estate (excl Milton Court)	921.395	621.644	-70%	2,047.545 (2005)
Total tonnes CO ₂ e for Milton Court	761.909	601.265	-40%	998.851 (2014)
Total tonnes CO₂e for enlarged estate	1,683.304	1222.909	-60%	3,046.396 (2014)
Approx. total area of estate (m ²)	33,999	33,999		
Tonnes CO₂e per m² of estate	0.050	0.035		

Table Notes:

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

Scope 1 & 2 Commentary

4. We are pleased to report that we have now delivered a 70% reduction in scope 1 & 2 emissions against our baseline for the estate, excluding Milton Court. However, Covid shutdowns have meant energy savings are greater than under normal operations, nevertheless half year monitoring showed we were on track to meet the target, with projected figures showing, under normal circumstances, a likely year end outcome of 60% reduction for the estate excluding Milton Court with a projected reduction of 53% for the enlarged estate against the baseline.
5. As a department of the City of London, the School works closely with the City of London's Energy, Climate Action and Responsible Business teams. Our representatives, (under our Alliance), worked with the City's teams in development of the City wide Climate Action Strategy published last autumn. We continue to work with our colleagues at the City to develop our strategy to ensure shared success.
6. We are delighted to report that we have been awarded £2.6 million under the Public Sector Decarbonisation Scheme as a result of our collaboration with teams at the City of London to upgrade our lighting, heating, ventilation and controls.
7. 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

8. 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 had 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 55% in 2019/20 against the baseline, again activity curtailed due to Covid has meant we have achieved greater savings than would be expected, however half yearly monitoring again showed we were on track to meet our target.
9. 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 had in the last version of our strategy 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 99% reduction against the baseline. Again these reductions are higher than would have been expected in a normal year and we will continue to monitor these emissions carefully, however it is worth noting that emissions from waste are small in 2018/19 amounting to just 6 tonnes.

Travel

10. The last analysis of carbon emissions from travel was undertaken in 2019 with staff and student travel surveys being undertaken. The results showed 302 tonnes of CO₂e from business travel, 365 tonnes from staff commuter travel and 553 tonnes from student commuter travel, including student travel to and from their homes at the beginning and end of term. This gives a total of 1,220 tonnes of CO₂e from travel and is a reduction of 30% against the 2014 baseline.

Conclusion

11. 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.

12. The School's Original Carbon Reduction Strategy has now come to an end. We have written a new strategy in consultation with and using the same tools as the City of London Corporation. 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. We will continue to work with the City of London Corporation in developing ongoing measurement and targeting to ensure success in reaching our shared new and ambitious targets and ensuring line-of-sight alignment and support for this very important and strategic message to the world and our sector.

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