

<b>Committee(s):</b> Board of Governors of the Guildhall School of Music & Drama	<b>Date(s):</b> 23 July 2018
<b>Subject:</b> Guildhall School Carbon Reduction KPI	Public
<b>Report of:</b> Jonathon Poyner Director of Operations and Buildings	For information

### **Summary**

Note: this report covers the period 2016/17 where Guildhall School was required to Report under HEFCE requirements. From 2018/19 these requirements will fall under OFS.

The Guildhall School's original Carbon Reduction Strategy was first approved and published in February 2011 and updated in 2014 to include new figures incorporating Milton Court. It was a requirement of HEFCE 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.

Scope 1 refers to direct emissions that occur from sources that are owned or controlled by the organisation, e.g. boilers, furnaces and vehicles

Scope 2 accounts for emissions from the generation of purchased electricity

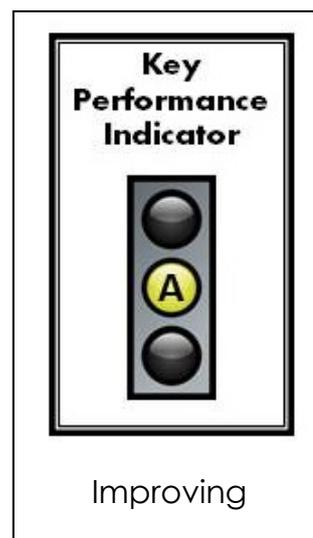
Scope 3 emissions are indirect emissions that organisations produce through their activities but occur from sources not owned or controlled by the organisation e.g. travel, water, waste.

### **Recommendation**

Members are asked to note the report.

## Main Report

- As per our commitment to Board last year, we have been conducting a ground-up review. We have also been dealing with a number of legacy issues, some of which relate to strategic and operational aspects associated to the Carbon Reduction Strategy. A restructure of teams has taken place and resource has been allocated to replace, or service, key equipment. This will ensure that processes and systems deliver continual improvement and will be compliant, efficient and appropriate, as per our agreement with the City of London.
- The Guildhall School's environmental policy has been reviewed with a revision of our action plan currently taking place. The action plan will reflect all relevant policies, key stakeholder requirements and strategies to include the Carbon Reduction Strategy.



<b>Scope 1 &amp; 2</b>	<b>2019/20 Target in 2014 strategy</b>	<b>Actual as at 2016/17</b>	<b>% Change against baseline</b>	<b>Baseline</b>
Total tonnes CO <sub>2</sub> e for estate (excl Milton Court)	1,167.101	<b>1,084.418</b>	-47% (2005)	2,047.545 (2005)
Total tonnes CO <sub>2</sub> e for Milton Court	632.554	<b>960.553</b>	+52% (2014)	632.554 (2014)
<b>Total tonnes CO<sub>2</sub>e for enlarged estate</b>	1,799.655	<b>2,044.971</b>	+7.5% (2014)	1,902.032 (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>	0.053	<b>0.060</b>		

Table Notes:

- Milton Court 2014 Baseline is BREAM expected use from 2014 Carbon Reduction Strategy
- Total Site 2014 Baseline is against projected total site reduction from 2014 Carbon Reduction strategy

### Scope 1 & 2 Commentary

- We are pleased to report that we have now delivered beyond our 2020 target of reducing scope 1 & 2 carbon emissions by 43% for the estate, excluding Milton Court. Milton Court is still not performing well against original BREAM projections, although annual emissions for the building have fallen slightly since opening. We

will continue to work towards achieving performance against BREAM projections for Milton Court.

4. We continue to undertake a ground-up review of energy use across the Guildhall School's assets. This has highlighted the need for better monitoring and targeting, and this is currently being developed, along with staff training. This activity will simplify current processes, ensure more accurate data, and enable quicker identification of opportunities for energy savings.
5. As a department of the City of London, the School is represented on the City's Energy Board. Our representatives, (who are working to our Common Platform/Operational Alliance), have been supporting the City in the recent City-wide energy procurement exercise. The City of London has agreed plans to source 100% renewable electricity from October 2018 onwards. We are yet to receive further detail on how this will affect our carbon calculations.
6. The School remains committed to reducing its energy consumption and has been working closely with colleagues from the City of London to undertake a building energy management survey covering Milton Court and Silk Street. A further energy efficiency survey is planned, we are working with our City of London colleagues to focus this activity.
7. Further initiatives underway include:
  - Upgrading lighting in certain areas in Milton Court to LED
  - Implementing recommendations from the Building Management System Survey
  - Enhanced awareness activity
  - Servicing/replacement of all key equipment
  - Training of staff to raise levels of awareness
  - Introduction of Computer Aided Facilities Management System (CAFM) to ensure
  - Planned preventative Maintenance (PPM) programmes

### **Scope 3 emissions update**

#### Waste & Water

8. As part of our ground-up review we are looking at source data which has identified inconsistencies in metering and readings for water. Waste weights are estimated by our contractor against the number of bins being taken off site. We are currently developing our monitoring and targeting systems to ensure consistency and accuracy. A review of baseline and targets, currently 30% reduction against 2010, is planned to be carried out once accurate and verifiable data is available.

#### Travel

9. The last analysis of carbon emissions from travel was undertaken in 2014 with the staff travel survey in 2015. It is proposed that this activity be undertaken during academic year 2018/19.

## Conclusion

10. We now have better control and understanding of the systems and reporting data. Staff have been changed and equipment serviced and repaired. Results show the benefits of our Change Programme and the operational alliance approach. The School's current Carbon Reduction Strategy is in place up until 2020, to run until end 2020/21. This will be revised once OFS requirements from 2020 are known. This will be written in line with OFS and City of London strategies and targets at the time.
11. Our ground-up review has highlighted some legacy issues. We are implementing Common Platform / Operational Alliance change plans, as agreed with the City, and are working to ensure that our equipment and staff are aligned to deliver for the School.
12. Results show that we are well on our way to delivering the 2020 target and beyond, having already achieved the 2020 target. Much done, much to do.

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