



BOROUGH OF DOUGLAS

Briefing Note

Ref: 22/05-02

All Council Members

REPORTING OFFICER	Director of Environment and Regeneration						
SUBJECT	2019/20 Carbon Footprint Report						
REASON FOR BRIEFING NOTE	To update Members on the Council's progress toward reducing its carbon footprint from the baseline year of 2018/19.						
BRIEFING NOTE	<p>In July 2019, the Council embarked upon a journey to reduce its carbon footprint and align itself with the Government's Net Zero by 2050 agenda. This was formalised in the adoption of a Net Zero Strategy and Action Plan at Council in February 2022.</p> <p>In the same July 2019 report, the Council agreed to engage the services of the Carbon Trust to calculate the Council's carbon footprint for the 2018/19 financial year, which would be the baseline year from which all carbon emissions would be measured. The report from the Carbon Trust also highlighted those areas with the highest emissions for future action. The final presentation from the Carbon Trust was received by the Executive Committee and Council in February 2021 and April 2021 respectively.</p> <p>In calculating the emissions data for 2019/20, updated emissions indices for 2019 were applied from the UK Government's Greenhouse Gas Reporting Conversation Factors (full set), which are used by all UK based organisations of all sizes and for international organisations reporting on UK operations. The 2018 indices were applied by the Carbon Trust in calculating the Council's carbon footprint in 2018/19. The Isle of Man Government will be using the same indice set.</p> <p>The Council's carbon footprint for 2019/20 has now been calculated as being 15,147.89 tCO₂e which comprises:</p> <table><tr><td>Scope 1</td><td>948.61</td></tr><tr><td>Scope 2</td><td>729.27</td></tr><tr><td>Scope 3</td><td>13,470.01</td></tr></table>	Scope 1	948.61	Scope 2	729.27	Scope 3	13,470.01
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Scope 2	729.27						
Scope 3	13,470.01						

This compares favourably with the 2018/19 benchmark data of **15,898.43** tCO₂e, which comprised:

Scope 1	975.62
Scope 2	899.62
Scope 3	14023.19

This represents an overall reduction of **750.54** tCO₂e, which is a **4.7% reduction**. The reduction in specific areas is as follows:

	2018/19	2019/20
Leased Buildings	7471.7	7061.1
Contracts	5610.7	5609.2
Fleet	578.1	539.9
Gas	521.8	517.8
Electricity	1121.1	901.5
Waste	351.3	322.3
Commuting	148.8	104.4
Water	25.7	19.9
Business Travel	9.7	5.4

As exact consumption data is not known for leased buildings, assumptions were applied by the Carbon Trust for the likely energy usage of these buildings based on size, type of energy and typical use and based on average retail prices for gas and electricity. The same assumptions were applied in 2019/20 and will continue to be applied unless actual consumption data can be obtained.

The figures for contracts are based on proprietary indices provided by the Carbon Trust which cannot be obtained from the UK indice set. The same indices have been used for 2019/20. Going forward, the Council should seek professional carbon footprint calculations at least once every five years to ensure assumptions continue to be valid and reasonable.

The reductions in Fleet will be due to newer vehicles with lower emissions. The reductions in electricity can be attributed to the rollout of LED's within public lighting. The reductions in commuting and business travel will partly be due to the impact of the pandemic, which may be reversed in future years. During 2019, Noble's Park Splashzone moved to a recirculatory system which halved the water consumption for this facility and will have reduced electricity consumption also.

Undertaking the calculations is enabling officers to build a picture of average uses, which will assist in future calculations.

	While undertaking the calculations for 2019/20, it became apparent that public lighting had been understated in the 2018/19 calculation. The Carbon Trust rectified the error which altered the Council's carbon footprint in 2018/19 from 15,245.89 tCO _{2e} to 15,898.43 tCO _{2e} . The updated footprint calculation has been used in the comparisons above. An updated report from 2018/19 is attached at Appendix 1, dated March 2022. The carbon footprint baseline figure contained within the Net Zero Strategy and Action Plan will be updated accordingly.
APPENDICES	1 – updated 2018/19 carbon footprint report.

AUTHOR OF BRIEFING NOTE	Director of Environment and Regeneration
RESPONSIBLE CHIEF OFFICER	Chief Executive
COUNTERSIGNED BY DIRECTOR OF FINANCE	
DATE	6 th May 2022

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