



Carbon Management Plan 2021-2025

SUMMARY

This document outlines Drake Music Scotland’s pledge to reach ‘Carbon Net Zero’ by 2035, and some of the strategies we will employ to achieve this. The strategies for 2021-2025 can be summarised as follows:

- 1) Promoted remote attendance
- 2) Upgrade or retrofit inefficient equipment
- 3) Decarbonise our partnerships
- 4) Contribute to CO₂ capturing projects.

Drake Music Scotland’s carbon-reducing efforts will not be limited to these 4 strategies, and all plans will be put in place concurrently.

SCOPE

The scope of our Carbon Management Plan, and by extension our carbon emissions as an organisation in general will, for the purposes of this plan, be divided into three parts:

SCOPE 1	SCOPE 2	SCOPE 3
Gas, Electricity, Water usage, Landfill & Recycling <i>Emissions related to our premises, and home working environment.</i>	Mileage, indirect fuel usage <i>Emissions related to personal vehicles and travel on public transport</i>	Events, Partnerships, /supply lines <i>Emissions directly or indirectly related to events, partnered organisations or suppliers.</i>

It is important to note that since Drake Music Scotland is a tenant in SPACE, Scope 1 can only be influenced in limited ways; larger adjustments like changing energy providers or premises insulation & structural changes cannot be made.

There is an expected overlap between Scope 2 and 3 on some occasions particularly regarding measuring and monitoring, however it is useful to make a distinction from a strategy and planning perspective.

TRENDS & TARGETS

DMS provides a detailed report of its CO2 emissions to Creative Carbon Scotland in September of each year. To set appropriate and achievable targets we should first look at previous years' data (Figure 1).

Emissions (kgCO2e) by type						
Type	2016	2017	2018	2019	2020	Total
Plane	953.00	659.00	84,882.30	911.00		87,405.30
Mileage paid	14,870.00	11,480.00	4,554.60	8,368.00	11,609.00	50,881.60
Gas	0.00	77.30	6,607.40	6,464.00	6,464.00	19,612.70
Electricity	0.20	573.20	2,612.00	1,905.00	1,769.00	6,859.40
Train	437.00	314.00	170.50	21.00	186.00	1,128.50
Bus	201.00	152.00	151.60	27.00	22.00	553.60
Landfill	26.30	22.30	36.40	44.00	38.00	167.00
Taxi	19.00	22.00	11.80	3.00	23.00	78.80
Dry mixed recycling	2.10	1.70	1.20	2.00	3.00	10.00
Ferry	1.00					1.00
Total	16,509.60	13,301.50	99,027.80	17,745.00	20,114.00	166,697.90

Figure 1: Reported CO2 emissions broken down by year.

The data in the above table was collated by Creative Carbon Scotland from our reporting, and a few things need to be considered while interpreting these numbers.

Firstly, the numbers for 2016 and 2017 cannot be double confirmed and are likely not all accurate (it's likely we may have used some electricity in 2016, for one). CCS and DMS's reporting procedure has improved over the year and this may be partly responsible.

Secondly, the upwards trend of our emissions should be interpreted next to numbers describing the growth of DMS as an organisation before qualitative conclusions should be drawn. These number are however still accurate measurements of our *actual* emissions (measured in kg CO₂^e).

Lastly, it is worthwhile noting that a single event in 2018 (The True Colors Festival in Singapore) is responsible for more than 50% of our total CO₂ emissions over the last five years combined.

There is a clear upward trend in our CO2 emissions which means that setting clear targets and ensuring a high degree of adoption within DMS is of utmost importance to stay in line with the national 'Carbon Net Zero' plan. The Scottish Government had pledged to achieve this by 2045, and the City of Edinburgh Council has set themselves a more stringent timetable and will achieve Net Zero by 2035.

DMS pledges to achieve Carbon Net Zero by 2035, and Figure 2 shows our year-on-year targets.

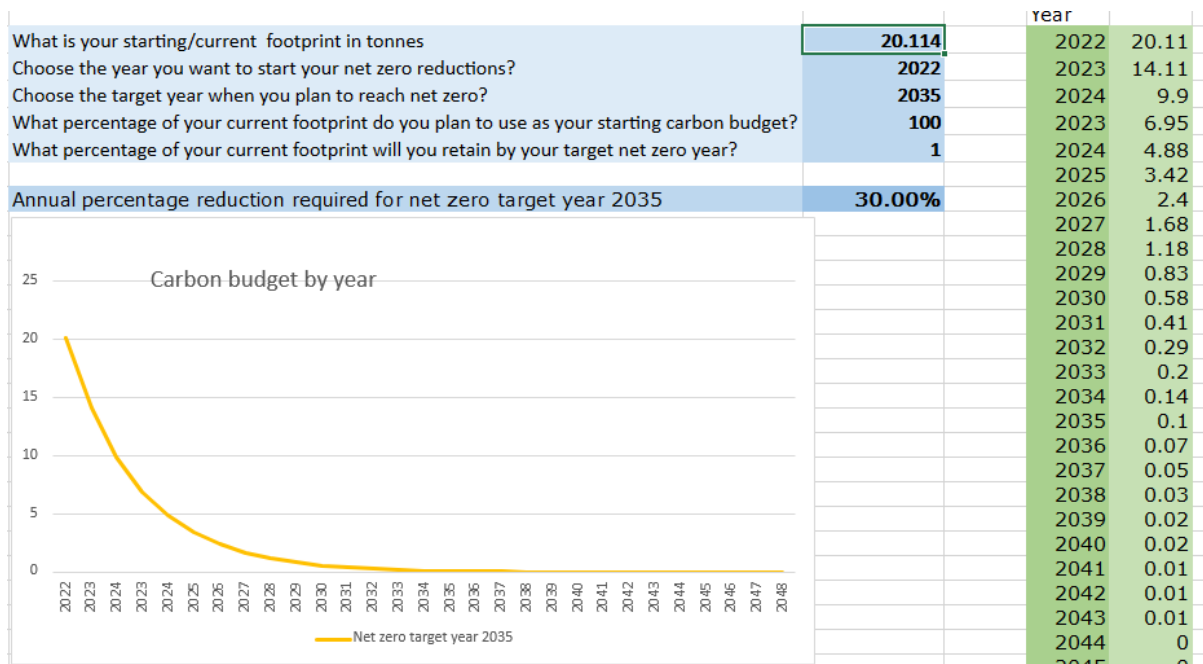


Figure 2: Calculated CO2 target for Net Zero 2035

STRATEGY

We have provided the following four yearly carbon reduction projects to Creative Carbon Scotland:

- 1) **Make Remote Attendance for sessions & events a viable alternative for everyone:**
Following on from a year in lockdown, we have a thorough use case for remote attendance for meetings, training, events, and learning. This project will reduce our Scope 2 emissions – which is our largest emitter. Some material investment and training will be required. A 10% adoption rate will reduce our annual emissions by 1-1.5 tonnes CO₂^e.
- 2) **Upgrade or retrofit equipment to be more energy efficient:**
Some equipment in our office and MusicSPACE rooms is few years old, and advances in technology mean that more energy efficient replacements (for instance, our fridge or photocopier) are available or more energy efficient parts can be fitted (the fluorescent tubes in our rooms can be replaced with LED Tubes). This is one of the few major changes we can enact on Scope 1 of our emissions. A 200-500 kg CO₂^e improvement can be achieved with minimal investment.
- 3) **Decarbonise our partnerships and supply chain:**
Not all CO₂ is directly emitted by DMS, but rather emitted on our behalf by manufacturers of equipment we use, or by people and organisations we collaborate with. Advocating carbon-reducing with our partners & carbon friendlier purchasing is likely to reduce our emission by anything between 1-3 tonnes CO₂^e annually.
- 4) **Contributing to CO₂ capturing projects**
Clearly, it is not possible to reduce our *actual* emissions to zero by 2035, since we will still

drive, use electricity, and recycle. Cutting emissions only gets us partway there, but it is likely that after 2024, the lion's share of our *actual* emissions will be offset by contribution to carbon capturing projects in Scotland, helping to maintain or reduce the national CO₂ debt. Continuing investment will be required.

MONITORING AND ASSESSMENT

Scope 1: Parts of this scope can only be estimated, as some utilities are shared among tenants of SPACE. However, an accurate landfill and recycling record can be kept. Creative Carbon Scotland provides a tool to estimate our yearly electricity, gas and water usage.

Scope 2: Continuous tracking and monitoring of mileage incurred by our Associate Musicians and staff, method of travel used and the appropriate government conversion factors done by the Administrator.

Scope 3: A mix of estimation and monitoring by the Administrator and external partners.

Carbon targets and strategies will be reviewed on a yearly basis and adjusted when required.