

# PPN 06/21 Carbon Reduction Plan



**September 2021**

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## Commitment to achieving Net Zero Carbon (NZC)

Dyson Energy Services (DES) is committed to achieving Net Zero Carbon (NZC) through Scope 1, emissions by 2025. Scope 3 will come into focus with a deadline date to be defined.

In order to continue our progress to achieving NZC, Dyson has adopted the following carbon reduction targets:

- To date we have calculated our Scope 2 emissions and we are currently calculating our Scope 1 emissions with a view to reduce these to zero by 2025.
- DES has committed to exploring Scope 3 emissions, following the GHG protocol (see Figure 1), with a view to reducing these to zero. In order to achieve this, we have already started communicating with our suppliers to explore the options available.
- DES intends that any target should be aligned with the Science-Based Targets initiative, intended to limit global warming by less than 1.5°C. We will be exploring the options and considering the benefits of formally signing up to the SBTi in 2022. <https://sciencebasedtargets.org>
- In the longer term, DES will work with its key partners to support their efforts to reach net zero, with the aim to influence and improve our supply chain.

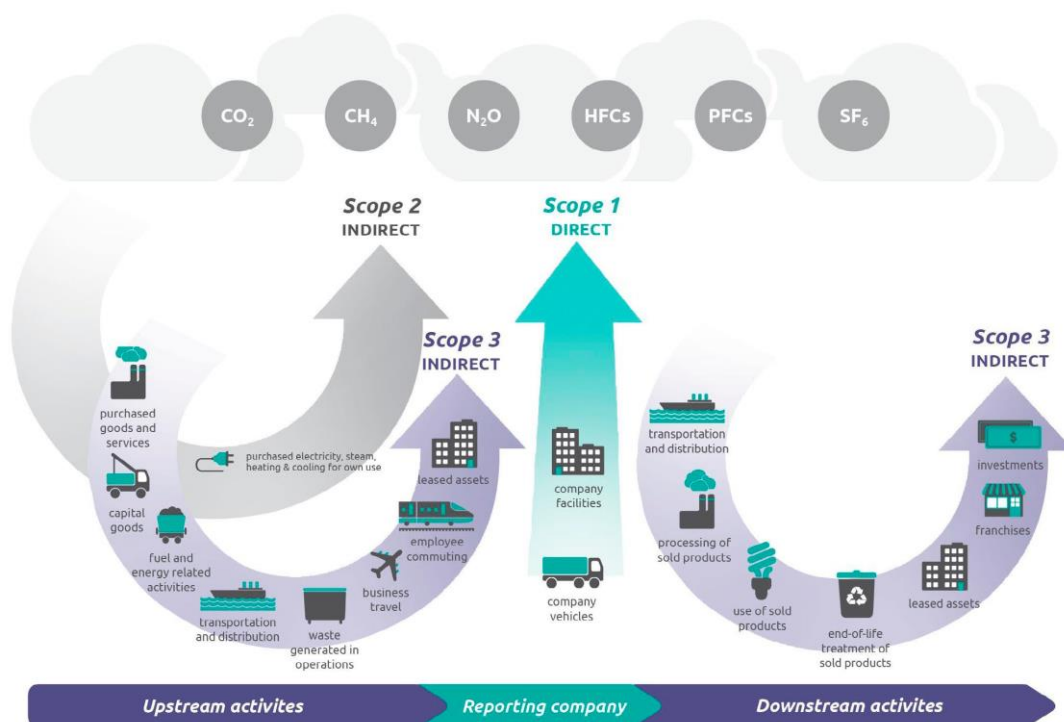


Figure 1: WRI GHG Protocol

## Baseline emissions footprint

Baseline emissions are a record of the carbon emissions that have been produced in the past, prior to the introduction of any mitigation measures. Baseline emissions are the reference point against which emissions reduction can be measured. DES has 2019/20 as its baseline year.

### Baseline year: 2019/20 (financial year)

DES has started to measure its carbon footprint in Scope 1 and 2 emissions during this baseline year. We have therefore established the 2019/20 financial year as our baseline.

Baseline Year: FY 2019/20	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	133 for transport only
Scope 2	25
Scope 3	Ongoing
Total Emissions	158

## Current emissions footprint

Our current 2020/21 emissions have reduced on our base yea, not with-standing the Covid year in 2020.

**Baseline year: 2020/21 (June 2020 to May 2021)**

Baseline Year: FY 2020/21	
Emissions	Total (tCO <sub>2</sub> e)
Scope 1	85 for transport only
Scope 2	19
Scope 3	Ongoing
Total Emissions	104 (excluding the Scope 1 natural gas contribution)

## Carbon Reduction projects

DES is reviewing a number of new carbon reduction options including a full and comprehensive Scope 1, 2 and 3 assessment. There are a number of projects that have already been completed or are underway. Dyson does not have accurate data on the impacts and benefits of these schemes and DES are working on a plan to achieve this.

Project	Description	Time frame
ISO 14001 (Energy Management)	Framework to map out an environmental management system	Ongoing
ISO 5001 (Energy Management)	Management system on continual improvement	Ongoing
Group transport carbon reduction plan	<ul style="list-style-type: none"> <li>- Driver awareness training</li> <li>- Remote working</li> <li>- Stock purchasing to minimise travel</li> <li>- Dynamic scheduling</li> <li>- Telematics tracking and optimisation</li> </ul>	10% reduction in carbon per annum from 2021
Fleet management	- Investigating the potential for electric and hybrid vehicles with an aim to move to these vehicle types by 2030	Under review and planned for 2030
Life cycle impact of products	<ul style="list-style-type: none"> <li>- Working with suppliers to identify unsustainable products.</li> <li>- Where possible we use local suppliers to minimise our carbon footprint</li> </ul>	Ongoing
Reuse and recycling	<p><b>Re-use -</b></p> <ul style="list-style-type: none"> <li>- Dyson encourages the re-use of suitable materials, e.g., leftover copper piping which could be used on future jobs where a small cut-off is required</li> <li>- Dyson will reuse non-returnable containers on-site to the maximum extent possible (e.g., develop 'one-hundred-and-one-uses' for plastic barrels, buckets, and tubs)</li> </ul> <p><b>Recycle -</b> Dyson's proposed recycling opportunities for both on and off-site are:</p> <ul style="list-style-type: none"> <li>- Using local waste contractors demonstrating high levels of performance</li> <li>- Regular waste management training for our staff / auditing &amp; reporting of waste.</li> </ul>	Ongoing

	<ul style="list-style-type: none"> <li>- Recycle damaged components, products and materials are disassembled into their constituent materials for recycling.</li> <li>- IT equipment recycled as per the WEEE Directive - where IT equipment and Electrical Equipment cannot be reused / recycled, it will be disposed of as WEEE Waste.</li> <li>- 100% of office paper at our local branch will be recycled complying with our 'shred it' recycling scheme.</li> <li>- Materials removed from properties, where suitable, used for direct learning on systems in a safe environment for our Apprentices.</li> </ul>	
Innovation	- Dyson is exploring options to replace gas heating systems such as Air and ground source pumps, Hybrid Systems or Hydrogen Boilers	Ongoing

## **Declaration and sign off**

This carbon reduction plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for carbon reduction plans.

Emissions have been reported and recorded in accordance with the published reporting standard for carbon reduction plans and the GHG Reporting Protocol corporate standard, and uses the appropriate Government emission conversion factors for greenhouse gas company reporting.

This carbon reduction plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of Dyson Energy Services:

Name: Martin Holmes  
Position: Director  
Date: 30th October 2021