

Carbon Reduction Plan

Supplier name: **Bouygues E & S Solutions Limited**

Publication date: **21/10/21**

Commitment to achieving Net Zero

Bouygues Energies & Services is committed to achieving Net Zero emissions by 2050 for Scopes 1, 2 and Scope 3.

In order to achieve this commitment, we have further targeted to achieve net zero as early as 2025 for scopes 1 and 2 (with minimal offsetting actions)

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year: 2019

Additional Details relating to the Baseline Emissions calculations.

We have been measuring our Scope 1 and 2 emissions since 2015 and each year we have improved our level of confidence in the completeness of the data.

However, this does mean that aggregate levels have shown increases because of gathering extra data, despite continual improvement. For example, the increase in Scope 1 emissions between 2019 and 2020. Our improved tools for data capture will allow future reporting to be in line with our carbon vision.

We are not yet able to fully quantify our Scope 3 emissions, that is an objective for this year. Apart from our grey fleet, all our Scope 1 and 2 energy usage, and hence emissions, is calculated from actual data, with no estimates.

We use the official Defra conversion factors to calculate our emissions.

Our data comes from:

- Metered gas usage
- Metered electricity usage
- Fuel purchases
- Expenses claims
- In-vehicle telemetry
- Waste portals
- Metered water usage
- FGas maintenance records
- Staff surveys

Our Scope 1 and 2 data and Net Zero Commitment exclude energy used by us in the delivery of FM services to clients in so far as that energy is used in client premises without sub-metered supplies.

Baseline year emissions: 2019

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1196.5 tCO ₂ e
Scope 2	76.6 tCO ₂ e
Scope 3 (Included Sources)	<ul style="list-style-type: none"> • Business Travel • Waste Generated in Operations <p>This equates to 310.7 tCO₂e*</p> <p>* The availability of data for employee commuting and upstream transportation is not currently available. We are working on capturing this data in 2022</p>
Total Emissions	1583.8 tCO₂e

Current Emissions Reporting

Reporting Year: 2020

EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	1814.1 tCO ₂ e
Scope 2	18.9 tCO ₂ e
Scope 3 (Included Sources)	<ul style="list-style-type: none"> • Business Travel • Waste Generated in Operations <p>This equates to 150.2 tCO₂e*</p> <p>* The availability of data for employee commuting and upstream transportation is not currently available. We are working on capturing this data in 2022</p>
Total Emissions	1983.2 tCO₂e

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted carbon reduction targets, based on the following corporate programmes:

- Connect 2025
- Net Zero Target
 - Scope 1 & 2: Net Zero by 2025
 - Scope 3: 30% by 2030
- Carbon Vision – Connect 2025 ‘Planet’ Objectives
- Corporate Business Plans 2021

Annual Objectives – 2021

1

Target	Metric
To have 100 EVs or ultra-low emissions vehicles in the company fleet	Count to reach 100 or more

2

Target	Metric
To reduce the total carbon footprint of Bouygues Energies & Services Solutions for Scopes 1 and 2 by 5% in 2021 compared to 2020.	Bouygues Energies & Services footprint for 2021 to be at least 5% lower than for 2020, in absolute terms/in terms of kg/£turnover

3

Target	Metric
To work with our supply chain partners and others to derive our Scope 3 footprint, to establish 2021 as our baseline for Scope 3 emissions.	To derive a total Scope 3 footprint for Bouygues Energies & Services Solutions for 2021.

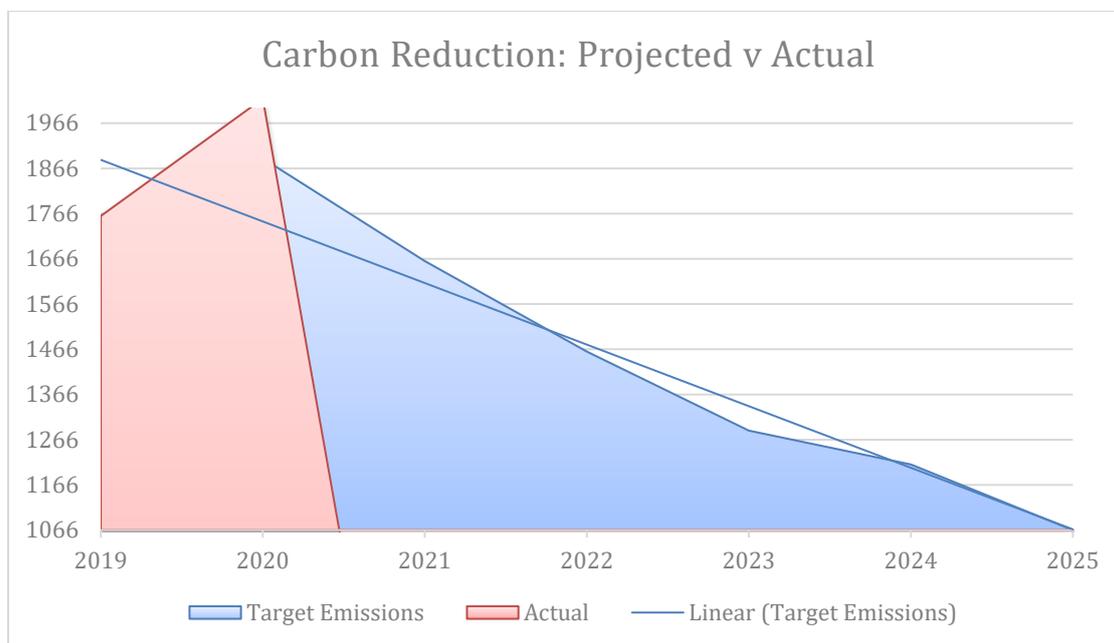
4

Target	Metric
To develop a dashboard (monthly/quarterly) for each client showing where they use energy and suggesting how they could save energy.	Evidence of the offer being made to 100% of clients.

5

Target	Metric
To determine the carbon footprint of the services that we provide to our FM clients	Evidence of the carbon footprint being assessed using our best endeavours for at least one client, either at the bid stage or for an existing client.

Progress against these targets can be seen in the graph below:



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2019 baseline. The carbon emission reduction achieved by these schemes equate to a 60% reduction against the 2019 baseline and the measures will be in effect when performing the contract

Reduced Vehicle Journeys

The largest contribution to our Scope 1 and 2 emissions comes from fuel used in our commercial fleet and company car fleet. Recognising that the most effective way to reduce carbon emissions from vehicles is to reduce the number of journeys and total distance covered, we have introduced several approaches to reduce the miles we cover. These include: - improved logistics, usage of telematics technology, vehicle-sharing, and using digital technologies to reduce the need for face-to-face meetings, we are even able to undertake some site audits remotely.

Electrification of Fleet

We have started to replace the diesel vans in our commercial fleet with Electric Vehicles (EVs) and have to date introduced 42 EVs, around 16% of the fleet. In early 2021, we introduced a revised company car policy, removing the choice of petrol and diesel vehicles and therefore designed to encourage staff who are entitled to a company car to opt for Ultra Low Emission Vehicles. With manufacturers developing EV options for larger vehicles, we anticipate full electrification of our commercial fleet by 2025.

Improved Driving Efficiency

We have made online training available on driving efficiently and safely, this is available to all members of staff. We have installed advanced vehicle telemetry in all of our commercial vehicles. This provides real-time data on location, helping us to send the most appropriate vehicle to call-outs, but also information on how the vehicle is being driven. This enables us to develop a culture of efficient driving and also to provide additional targeted training.

ISO:50001

We have implemented an energy management system certified to ISO:50001 for the head office premises that we occupy and manage. We have incorporated an advanced intelligent metering solution that produces real-time energy audits using self-learning algorithms.

ISO:14001

We operate an Environmental Management System certified under ISO:14001 that covers all of our managerial and operational activities.

Low Carbon Site Compounds

Following a successful trial of dispersed metering and sensor technology that reduced energy usage in a typical construction site compound by 40% we are now looking to adopt this approach as our standard model for new projects.

We have also trialled the use of solar PV lighting for site compounds and will utilise these two approaches in combination to drive down site carbon emissions.

Cultural Change

Attitudes and behaviours are a vital part of reducing carbon through changing the way we work. One mechanism we will use for achieving this is to go through the process of being accredited as an Energy Conscious Organisation (ENCO) – a scheme overseen by ESTA and The Energy Institute.

In line with our carbon vision 2030, we have implemented a mandatory staff training module on climate awareness at both global and UK levels.

Supply Chain Engagement

This process is already under way but is a complex and long-term programme. We are seeking to work with our supply chain to raise awareness, to help them reduce their own carbon footprints as well as innovate and/or to agree changes to products and services that enable us to meet our contractual obligations in a low-carbon way. As an example, one of our suppliers has introduced a low energy streetlighting lantern that is fully recyclable at end of life.

In 2021, we are introducing supply chain awareness training in association with the 'Supply Chain Sustainability School' via a learning pathway.

Provision of EV Charging Points

We are working with clients to ensure that every location that we work out of has at least one charging point for EVs.

2025 Objectives & Targets

1. Reduce our greenhouse gas emissions

Target **Net Zero** for Scopes 1 & 2

Reduce the carbon footprint of IT by 15%

100% Fleet transition to electric and hybrid

100% of Bouygues Energies & Services Offices to be utilising renewable energy sources

2. Reduce our upstream footprint

Eliminate all **single use plastic** from purchasing activities

Introduce **low carbon products** and **recycled products** on all schemes

3. Create a low carbon & sustainable mindset

Deploy learning module to **100% of our staff and supply chain**

4. Support our clients net-zero transition

Carbon strategy formalised for 100% new projects

Biodiversity plan for 100% new projects and contracts

Produce **Client Carbon Project Plan** to offer alternative lower carbon intensive solutions through design stages (low carbon concrete, recycled steel, low carbon products) for all schemes

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:

David Carr

CEO

Date: 21/10/21

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>