



# Carbon Reduction Plan

Supplier name: Toyota GB PLC (TGB)

Publication date: August 2024

## Commitment to achieving Net Zero

**Toyota GB PLC** is committed to achieving Net Zero emissions by **2050**.

## Executive Introduction

This Carbon Reduction Plan has been produced in response to Procurement Policy Note (PPN) 06/21 which specifies how Toyota (GB) PLC shall have a plan to manage Greenhouse Gas (GHG) emissions and have a commitment to Net Zero emissions by 2050, in order to support the UK Government's commitment to a 100% reduction of GHG emissions (compared to 1990 levels) in the UK by 2050. Also referred to as the 'Net Zero' target. This Carbon Reduction Plan is based on the UK Government Template. TGB is committed to accurately quantifying all our significant emissions and taking pro-active steps to achieve reductions.

Toyota has a long history of environmental focus. In 1992, parent company Toyota Motor Corporation (Japan) first published The Toyota Earth Charter and updated it in 2000, which for the first time announced publicly the broad policies by which Toyota would engage with the world, cooperate and contribute to society, and pursue environmental technologies.

Acting on continuous improvement, Toyota Motor Corporation took a step beyond the Earth Charter and announced the Toyota Environmental Challenge 2050 in October 2015. The six challenges within the Toyota Environmental Challenge 2050 are: New vehicle zero CO<sub>2</sub> emissions, Manufacturing plant zero CO<sub>2</sub> emissions, Life Cycle zero CO<sub>2</sub> emissions, Minimize and optimize water usage, Establish a recycling-based society, and Establish a future society in harmony with nature. These six specific challenges acting together will guide Toyota towards its aim of reducing CO<sub>2</sub> emissions, achieving a net positive environmental impact, and will assist Toyota to contribute to the realisation of a sustainable society. For further information on these global challenges and progress towards them, please see [https://global.toyota/pages/global\\_toyota/sustainability](https://global.toyota/pages/global_toyota/sustainability)

In-line with Toyota global and regional (European) practices, Toyota (GB) PLC conducts environmental action planning on a five-year cycle. We are currently within the 7<sup>th</sup> Environmental Action Planning period 2021 through to 2025. The baseline for this action planning period has been selected as 2019 due to the anomalies in business activities as a result of Covid-19 in 2020.

Toyota (GB) PLC operates from owned premises in Burgh Heath, Surrey. The premises are also utilised by other affiliated Toyota companies. We include the on-site energy use and waste generated by the affiliated Toyota companies within our data. We also operate a training facility based on-site at Toyota Manufacturing (UK) Ltd premises in Burnaston, Derby, the energy consumption from our activities at the Training site are also included in our data. Both Toyota (GB) PLC and Toyota Motor Manufacturing (UK) Ltd purchase 100% REGO 100% Renewable Electricity.

This Carbon Reduction Plan is intended to cover all emissions associated with TGB's core operations as specified by the PPN06/21 requirements. In line with ISO 14064-1:2019 the control approach has been taken. This covers all facilities and activities that TGB has financial or operational control over and aims to include all significant sources as specified by PPN 06/21 requirements. No attempts have been made to intentionally exclude significant sources of emissions but where exclusions have been made details of this has been noted.

GHG emissions have been calculated in-line with ISO14064-1 methodology and presented in a GHG Inventory displaying specific sources of emissions. UK Government conversion factors from the Department for Business, Energy and Industrial Strategy have been used to convert activity data into kilograms of carbon dioxide equivalent (kgCO<sub>2</sub>e) as well as directly into kg of carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>) and nitrous oxide (N<sub>2</sub>O) where appropriate.

## Baseline Emissions Footprint

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

<b>Baseline Year: 2019</b>	
<b>Additional Details relating to the Baseline Emissions calculations.</b>	
<p>Toyota GB PLC in the past have not recorded the below specific scope 3 areas. TGB commit to ensuring that we work on improving reporting these categories within Scope 3 emissions in the future:</p> <p>Downstream Transportation &amp; Distribution (Note: It is not thought to be a significant source of emissions for TGB as majority of products are supplied direct to customers from Retailers, we will work to substantiate this in the future)</p>	
<b>Baseline year emissions: 2019</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b> Emissions that are direct from Owned or controlled source	Gas: 471.33 tCO <sub>2</sub> e Internal Vehicle Fleets: 354.31 tCO <sub>2</sub> e Company Car Business Travel: 280.98 tCO <sub>2</sub> e  <b>1,106.62 tCO<sub>2</sub>e</b>
<b>Scope 2</b> Indirect emissions from generation of purchased energy	Electricity: <b>616.78 tCO<sub>2</sub>e</b> (Location Based) <b>0 tCO<sub>2</sub>e</b> (Market Based)
<b>Scope 3 (Included Sources)</b> Covers a wide range of indirect emissions such as supply chain, business travel or employee commuting	Business Travel Air & Rail: 249.70 tCO <sub>2</sub> e Employee Commuting: 776.64 tCO <sub>2</sub> e Employee Homeworking: 3.66 tCO <sub>2</sub> e Upstream Transportation & Distribution: 5,809.20 tCO <sub>2</sub> e Downstream Transportation & Distribution: 0 tCO <sub>2</sub> e Waste generated in operations: 7.10 tCO <sub>2</sub> e  <b>6,846.3 tCO<sub>2</sub>e</b>
<b>Total Emissions</b>	<b>8,569.7 tCO<sub>2</sub>e</b> (Location Based) <b>7,952.92 tCO<sub>2</sub>e</b> (Market Based)

## Current Emissions Reporting

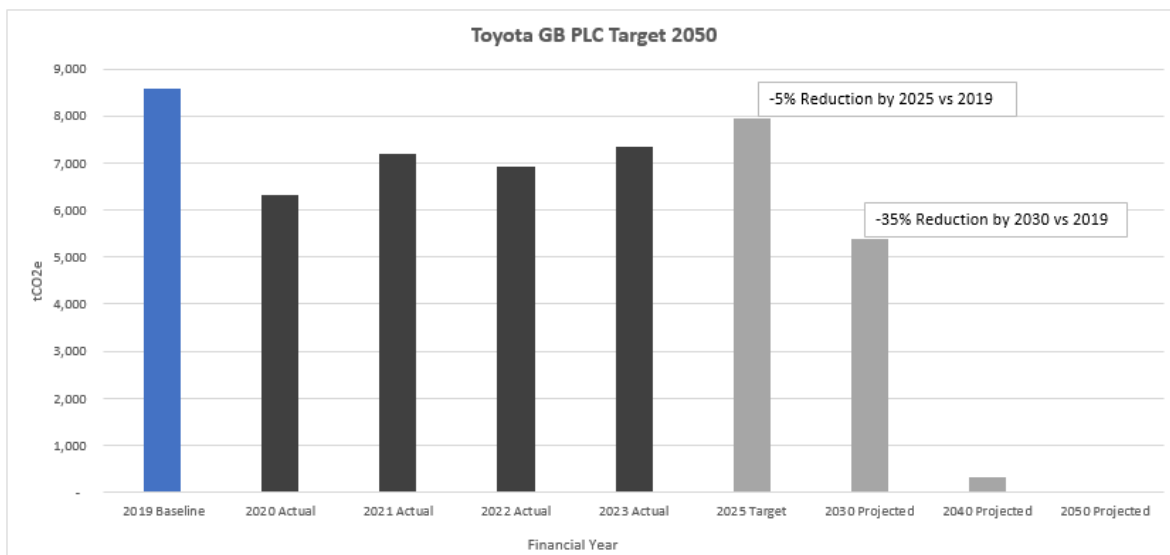
<b>Reporting Year: 2023</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
<b>Scope 1</b> Emissions that are direct from Owned or controlled source	Gas: 395.34 tCO <sub>2</sub> e Internal Vehicle Fleets: 121.72 tCO <sub>2</sub> e Company Car Business Travel: 154.84 tCO <sub>2</sub> e  <b>671.90 tCO<sub>2</sub>e</b>
<b>Scope 2</b> Indirect emissions from generation of purchased energy	Electricity: <b>385.43 tCO<sub>2</sub>e</b> (Location Based) <b>0 tCO<sub>2</sub>e</b> (Market Based)
<b>Scope 3 (Included Sources)</b> Covers a wide range of indirect emissions such as supply chain, business travel or employee commuting	Business Travel Air & Rail: 164.47 tCO <sub>2</sub> e Employee Commuting: 332.45 tCO <sub>2</sub> e Employee Homeworking: 26.28 tCO <sub>2</sub> e Upstream Transportation & Distribution: 5,771.52 tCO <sub>2</sub> e Downstream Transportation & Distribution: 0 tCO <sub>2</sub> e Waste generated in operations: 2.01 tCO <sub>2</sub> e  <b>6,297 tCO<sub>2</sub>e</b>
<b>Total Emissions</b>	<b>7,354 tCO<sub>2</sub>e</b> (Location Based) <b>6,969 tCO<sub>2</sub>e</b> (Market Based)

## Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that carbon emissions will decrease over the next six years to **5,570 tCO<sub>2</sub>e** by **2030**. This is a reduction of **35%** vs our 2019 baseline.

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



## Carbon Reduction Projects

### Completed Carbon Reduction Initiatives

As part of our annual planning & budgeting process, resources are routinely committed to energy efficiency measures in support of our organisational environmental objectives, which contribute to the global goals of the Toyota Environmental Challenge 2050.

#### Previous 2016-2020 TGB 6<sup>th</sup> Environmental Action Plan

For the 6<sup>th</sup> Environmental Action Plan our CO<sub>2</sub> Footprint was calculated from emissions associated with the gas and electricity consumption at our Eco HQ offices in Burgh Heath, Surrey and our Training Academy site (acquired mid 2016) and business travel (Car, Air, Rail). The following environmental management measures and projects were completed or implemented by 2020 since our previous 2015 baseline. The carbon emission reduction achieved by 2019 from these schemes equate to **1,136 tCO<sub>2</sub>e**, a **42%** reduction against the previous 2015 baseline. These measures will continue to be in effect when performing the contract.

#### Actions undertaken:

- We hold ISO14001: 2015 Environmental Management standard and strive to continually improve our systems and performance
- We are Carbon Trust accredited for reducing our CO<sub>2</sub> year on year since 2014 and plan to continue with accreditation in the future
- Increasing range of lower CO<sub>2</sub> emitting Hybrid company car vehicles as more electrified vehicles added to our product portfolio, bringing down the CO<sub>2</sub> emissions of our internal & company car fleets
- Renewal of central air conditioning chillers and replacement of one chiller with a dry air cooler, more efficient and effective reducing electricity consumption. New separate A/C unit installed in on-site Gym
- New Chilled and Heating Pumps with Variable speed drive installed reducing energy consumption dependant on load required
- Catering equipment replaced with more efficient models
- Ongoing LED Lamp upgrades to various fittings throughout the building. Approximately 35% now LED
- EV charge points installed in car park
- General environmental awareness and performance provided to staff quarterly
- Green Month (June), sharing plans and progress of Toyota environmental activities with employees

#### Current 2021-2025 TGB 7<sup>th</sup> Environmental Action Plan

The following environmental management measures and projects were completed or implemented by 2023 since our 2019 baseline. The carbon emission reduction achieved by 2023 from these schemes equate to **1,216 tCO<sub>2</sub>e**, a **14%** reduction against the 2019 baseline. These measures will continue to be in effect when performing the contract.

#### Actions undertaken:

- Developed an Environment and Energy policy to increase protection of the environment, energy efficiency and monitoring and reduction in energy use
- Increasing range of lower CO<sub>2</sub> emitting Hybrid & BEV vehicles as more electrified vehicles added to our product portfolio, bringing down the CO<sub>2</sub> emissions of our internal & company car fleets
- Employee Hybrid Working Pattern introduced – based on three days in office & two days from home
- Introduced Kinto Join, employee commuting car sharing solution
- Energy audit undertaken (day & night) optimised controls settings & equipment usage
- Partnered with a Carbon Expert and Energy Management Specialists to assist us in data quantification and reporting, supporting TGB's Carbon Reduction plans of the future
- New Building Management System installed
- All external LED lighting installed

- Completed installation of internal LED lighting and Passive Infrared Motion Sensors
- We achieved ISO50001:2018 Energy Management System certification in FY23 and strive to continually improve our systems and performance

## Planned Carbon Reduction Initiatives (2024-2025)

### **Actions carried out in FY2024:**

- Completed increase in number of on-site EV charge points
- Completed transition from gas catering equipment to electric equipment
- Washrooms refurbished to include smart taps and flushes in order to save water

### **Actions that have been considered but not carried out:**

- Installation of Solar PV panels in car park not carried out due to lack of feasibility and space
- Adiabatic cooling mesh to the Chillers not carried out due to lack of feasibility

### **Over the next two years we intend to initiate the following measures:**

- Continue to bring to market low and zero CO2 emitting vehicles
- Install Solar PV Array to building roof
- Increase on-site pipe insulation to reduce heat loss
- Further increase the level of measurement and action for extended scope 3 elements, focusing on improving the quality of the GHG inventory over time
- Continue to work with our suppliers to reduce the scope 3 emissions throughout the value chain

### **In the future we hope to implement further measures such as:**

- Move from gas boilers to Air Source Heat Pumps for heating and hot water

## 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 standard<sup>1</sup> and uses the appropriate Government emission conversion factors for greenhouse gas company reporting<sup>2</sup>.

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) Standard<sup>3</sup>.

This Carbon Reduction Plan has been reviewed and signed off by Scott Thompson, President & Managing Director.

**Signed on behalf of Toyota (GB) PLC:**



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Date: 16th September 2024

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

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

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