

# Carbon Reduction Plan

PPN06/21

Part of Carbon Footprint Assessment  
in accordance with SBTI.

# INTRODUCTION



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Fully  
committed to  
achieving Net  
Zero by 2040.

To establish a clear direction and timeline, we worked with CarbonFIT who set a distinct path to Net Zero, for Scope 1,2 and 3 by 2050 in line with PPN 06/21 and GHG Protocols.

Our energy and carbon usage and consumption throughout the organisation’s buildings, processes, vehicles, travel, distribution, and waste were reviewed, in line with PPN06/21, GHG Corporate Accounting and Reporting Standard and GHG Scope 3 calculations Guidance Standards.

This review was completed for 2021 and 2022. For the purpose of this report and in accordance with PPN06/21, the baseline and last financial year have been reported. Additionally, a company-wide audit was completed in accordance with ISO14064-1.

Emissions have been calculated using the Department for Business, Energy, and Industrial Strategy (BEIS) Conversion Factors for company reporting of GHG emissions.

In line with PPN 06/21 requirements, Gilbert-Ash can confirm we are fully committed to achieving Net Zero by 2040. This plan will be updated annually in line with our financial year end. The next revision is due May 2024.

# COMPANY OVERVIEW

Gilbert-Ash is an award-winning UK construction and fit out contractor with 190 employees at offices in London and Belfast.

The company works throughout the UK and has undertaken numerous projects worldwide in a total of 44 countries from Poland and Bahrain to China, Japan and Australia on behalf of the UK Foreign, Commonwealth & Development Office.

In 2020, Gilbert-Ash was named in the Sunday Times PwC Top Track 250 league table for Britain's leading mid-market private companies for the biggest sales.

The company's projects have been shortlisted for the Royal Institute of British Architects' Stirling Prize four times including the Lyric Theatre in 2012, the Giant's Causeway Visitor Centre in 2013 and more recently in 2021 for Cambridge Central Mosque, with the Everyman Theatre winning the coveted award in 2014.

Gilbert-Ash brings a fresh perspective on building, implementing a collaborative, design-led approach combining insight and intelligence, vision and talent, to deliver far-reaching, visionary construction projects. The company has completed a broad portfolio of successful construction projects across sectors including arts and culture, workplace, hotels and leisure, science and technology, retail, residential and student accommodation.



## BASE FINANCIAL YEAR

1st January 2019 - 31st December 2019

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## FINANCIAL YEAR REPORTING

1st January 2022 - 31st December 2022

JUNE 2023

## SUSTAINABILITY MANAGEMENT TEAM

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# BASELINE EMISSIONS

Our baseline year is 2019. This was chosen to align with our SECR and Net Zero Pledge. Scope 1,2 and 3 emissions as required by PPN06/21 are outlined below:

## SCOPE 1

Primary Fuel Combustion (On-site)	0 tCO2e
Machinery/Manufacturing Process	97.89 tCO2e
Road Transport	256.45 tCO2e
<b>C1. Total Scope 1</b>	<b>354.34 tCO2e</b>

## SCOPE 2

Electricity Consumed (Location Based)	411.64 tCO2e
Electricity Consumed (Market Based/Onsite Generation/Renewable)	0 tCO2e
<b>C2. Total Scope 2</b>	<b>411.64 tCO2e</b>

## SCOPE 3

Category 3: Fuel and Energy Related Activities	259.70 tCO2e
Category 4: Upstream Transportation and Distribution	3,393.37 tCO2e*
Category 5: Waste Generated in Operations	32.59 tCO2e*
Category 6: Business Travel	684.64 tCO2e*
Category 7: Employee Commuting	244.26 tCO2e*
Category 9: Downstream Transportation and Distribution	0 tCO2e
<b>C3. Total Scope 3</b>	<b>4,614.56 tCO2e</b>

## SCOPE 4

<b>C4. Total Scope 1,2 &amp; 3 Carbon Emissions</b>	<b>5,380.54 tCO2e</b>
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\*Indicates assumptions made in calculations

# FINANCIAL YEAR REPORTING EMISSIONS

Below are the carbon emissions for Financial Year January 2022 to December 2022:

## SCOPE 1

Primary Fuel Combustion (On-site)	10.09 tCO2e
Bio - Energy	0.47 tCO2e
Machinery / Manufacturing Process	36.71 tCO2e
Road Transport	365.18 tCO2e
<b>C1. Total Scope 1</b>	<b>412.44 tCO2e</b>

## SCOPE 2

Electricity Consumed (Location Based)	132.44 tCO2e
Electricity Consumed (Market Based/Onsite Generation/Renewable)	76.03 tCO2e
<b>C2. Total Scope 2</b>	<b>56.40 tCO2e</b>

## SCOPE 3

Category 3: Fuel and Energy Related Activities	887.22 tCO2e
Category 4: Upstream Transportation and Distribution	2.866.57 tCO2e*
Category 5: Waste Generated in Operations	177.55 tCO2e*
Category 6: Business Travel	616.40 tCO2e*
Category 7: Employee Commuting	232.16 tCO2e*
Category 9: Downstream Transportation and Distribution	N/a tCO2e
<b>C3. Total Scope 3</b>	<b>4.779.90 tCO2e</b>

## SCOPE 4

<b>C4. Total Scope 1,2 &amp; 3 Carbon Emissions</b>	<b>5,248.74 tCO2e</b>
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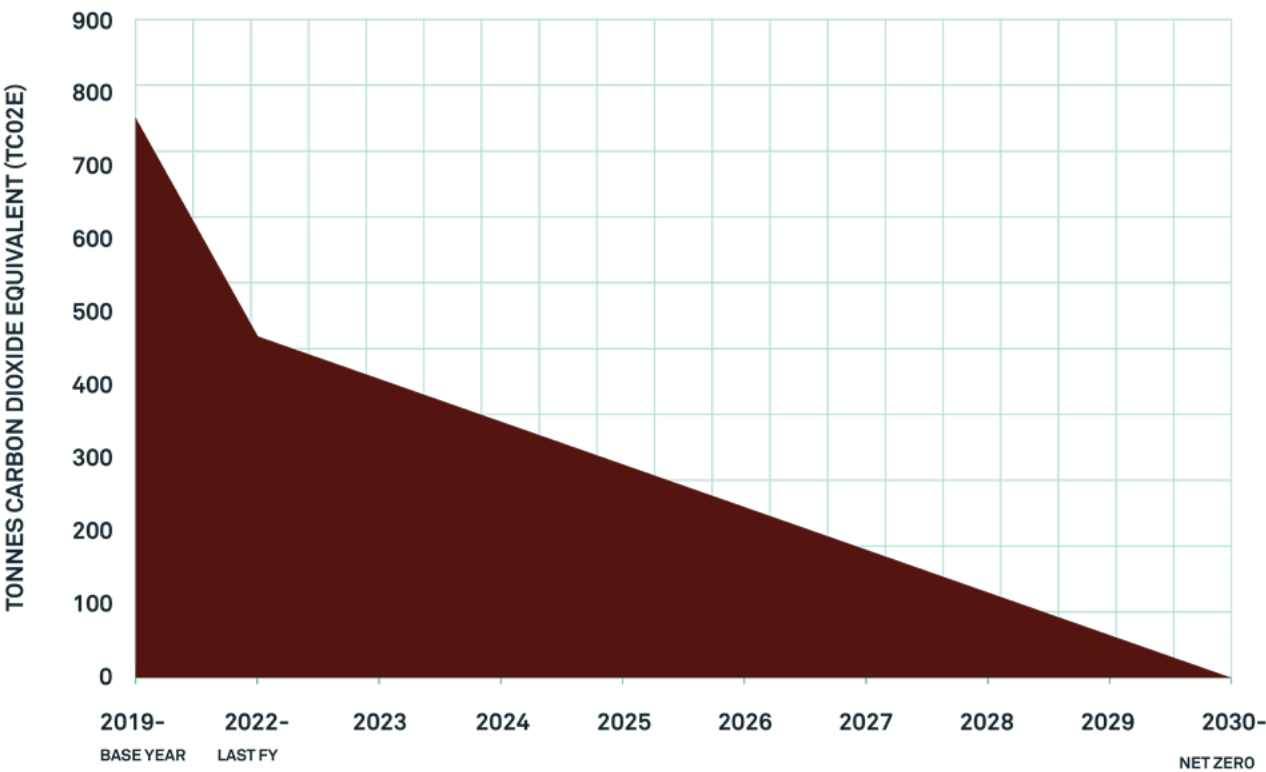
\*Indicates assumptions made in calculations

# EMISSION REDUCTION TARGETS

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

We aim to reduce our Scope 1 and 2 emissions by 50% by 2025 and 100% by 2030.

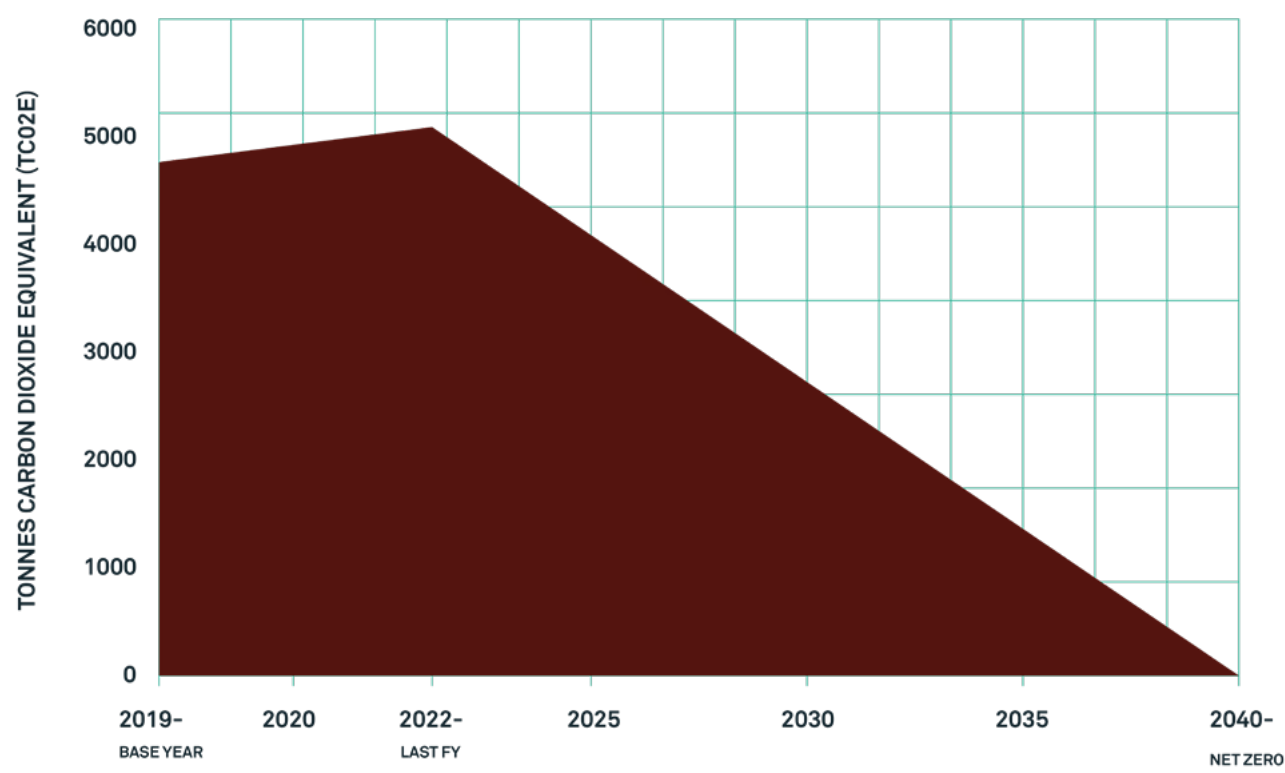
BELOW IS THE ROADMAP OF  
THE JOURNEY AHEAD



# SCOPE 3 NET ZERO TIMELINE TRAJECTORY

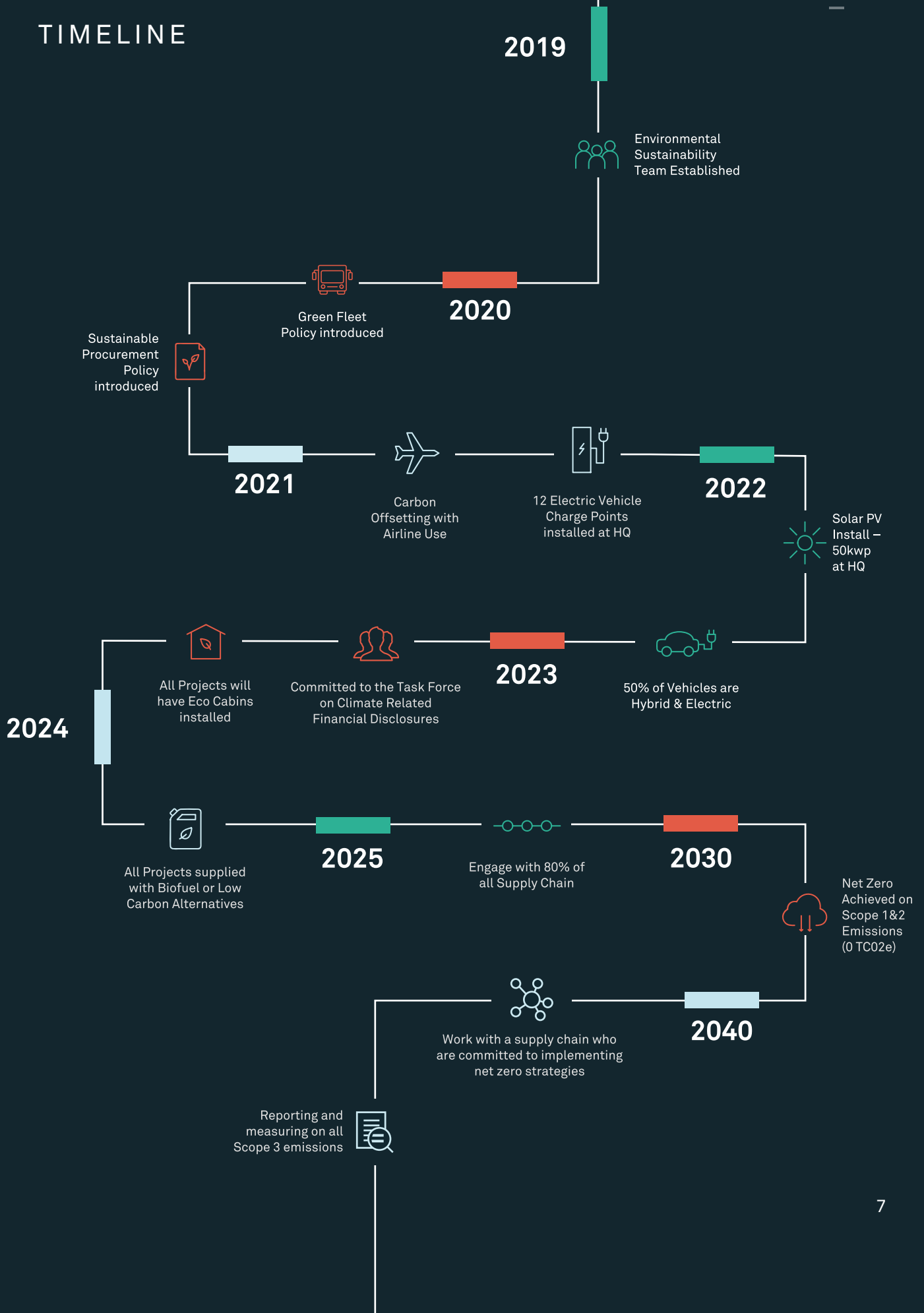
We commit to engaging with 80% of our suppliers within the next 48 months with the aim of quantifying our Scope 3 Supply chain emissions to view to reduction by 100% by 2040.

BELOW IS THE ROADMAP OF  
THE JOURNEY AHEAD



# NET ZERO TRAJECTORY TIMELINE

LEVEL  
ZER—0





# CURRENT CARBON REDUCTION PROJECTS

## YEAR ENDING 2022

The following environmental management measures and projects have been completed or implemented since the 2019 baseline:

- ISO14001 management policy implemented and has been updated annually.
- The company fleet is now 58% hybrid electric.
- We have installed 18 Electric vehicle charge points at HQ.
- We have moved to a more energy efficient building thus reducing our electricity usage associated with our head office in Belfast.
- We installed a 50kWp PV Array on our main office building in Belfast for Quarter 1 2022.
- We have sourced renewable electricity contracts with suppliers for our Head Office in Belfast, Newry and a third of our projects.
- To further reduce emissions during site set-up we procured energy efficient cabins which are highly insulated, operate LED lighting and other efficient features in 2022.
- In terms of air travel, we will offset 100% of emissions by 2023 by partnering with airlines who offset or provide an option to offset flight emissions.
- We meter and monitor energy and carbon use on each construction site to track energy usage and monitoring to address out of hour use and main energy users to allow targeted reduction of carbon emissions.
- We will monitor and track carbon usage monthly online via Sustain IQ.
- Carbon Literacy training took place in 2022 to improve awareness among partners and management to enhance awareness during site setups and operation.
- The HVO policy was introduced in November 2022, we aim to implement HVO as an alternative to Gas Oil on our projects and all projects will run on HVO in 2023.

## FUTURE CARBON REDUCTION PROJECTS

- All plant will be powered by HVO in 2023.
- 58% of the company-owned fleet is already hybrid electric, we aim to increase to 100% by 2027
- By 2025 all car hire for site managers and business travel will be electric vehicles only and will be enforced by our travel policies.
- We will implement Green electricity Supply contracts policy in 2023 / 2024 for all sites and it will be incorporated as part of standard operating procedures.
- We will operate Supply Chain engagement workshops in Quarter 1, 2023 to educate and support our suppliers.
- Working with CarbonFIT we will continue to set targets and identify improvement schemes to ensure we reach our target of Net Zero by 2040.
- We will continue to work with local contractors and suppliers on each of our sites and work with them to educate and support them in moving to low carbon transport technologies in order to reduce our Scope 3 Upstream transport emissions.
- Our equipment during site set-up would typically include a crane and generator. We will switch to HVO in 2023 for generators. We are actively reviewing alternative fuel options such as hydrogen for cranes. As technology develops, we will add a timeline for implementation in our annual reporting.

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We are actively reviewing alternative fuel options such as hydrogen for Cranes.

## DECLARATION & 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 and used the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and with 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.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.



**RAY HUTCHINSON,**  
MANAGING DIRECTOR

JUNE 2023



JUNE 2023

**GA**

LEVEL  
ZER—0