



# NET ZERO & CARBON FOOTPRINT 2022-23

Let's create something **remarkable.**

# Crafting Iconic spaces.

With over 30 years of experience, we've learned how to strike the perfect balance between big ideas and the more technical intricacies.



Let's create something together.



**We work all over  
the country**

and in...

China, India, Slovakia,  
Georgia and Abu Dhabi



Nottingham HQ

London + Birmingham offices

UK and International client base

ISO 9001, ISO 14001 and ISO  
19650 accreditation

c.50 + staff

Architecture & Interior Design

**ABOUT US**



Let's create something together.



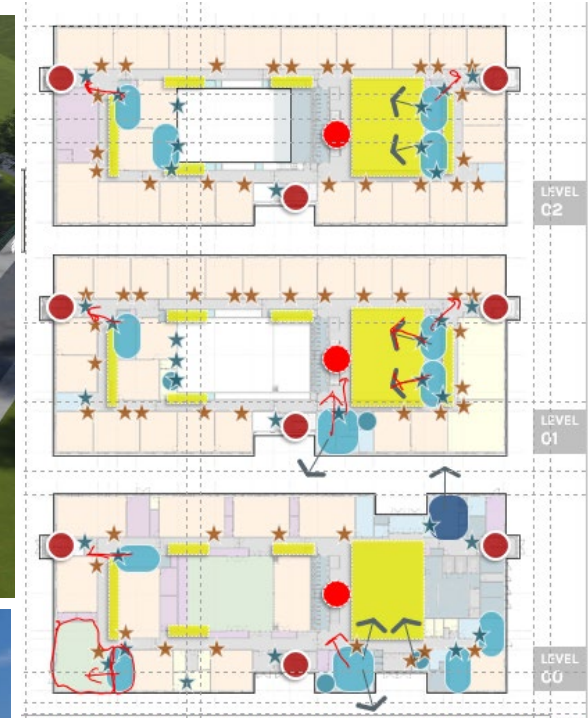
# Building for a better tomorrow

Sustainability is at the heart of everything we do. We are committed to building a better tomorrow through sustainable architecture. Our designs prioritise eco-friendly practices, energy efficiency, and reduce environmental footprint. We embrace innovative technologies and materials that promote long-term sustainability – which means your projects benefit today, and future generations are left with a real legacy.



Let's create something together.

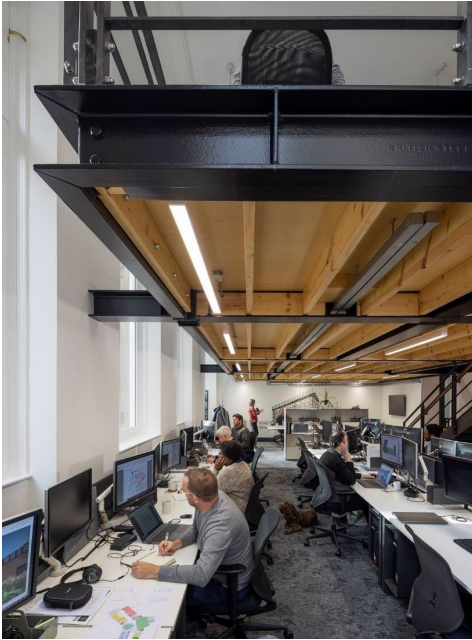
# SUSTAINABILITY

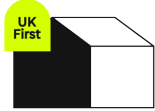




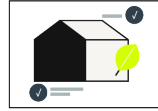
LIFETIME ZERO CARBON







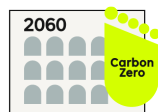
Delivery of the UK's first commercial PassivHaus building



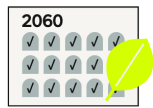
Certified PassivHaus Designers



Signatories to the RIBA 2030 Challenge and the SME Climate Hub



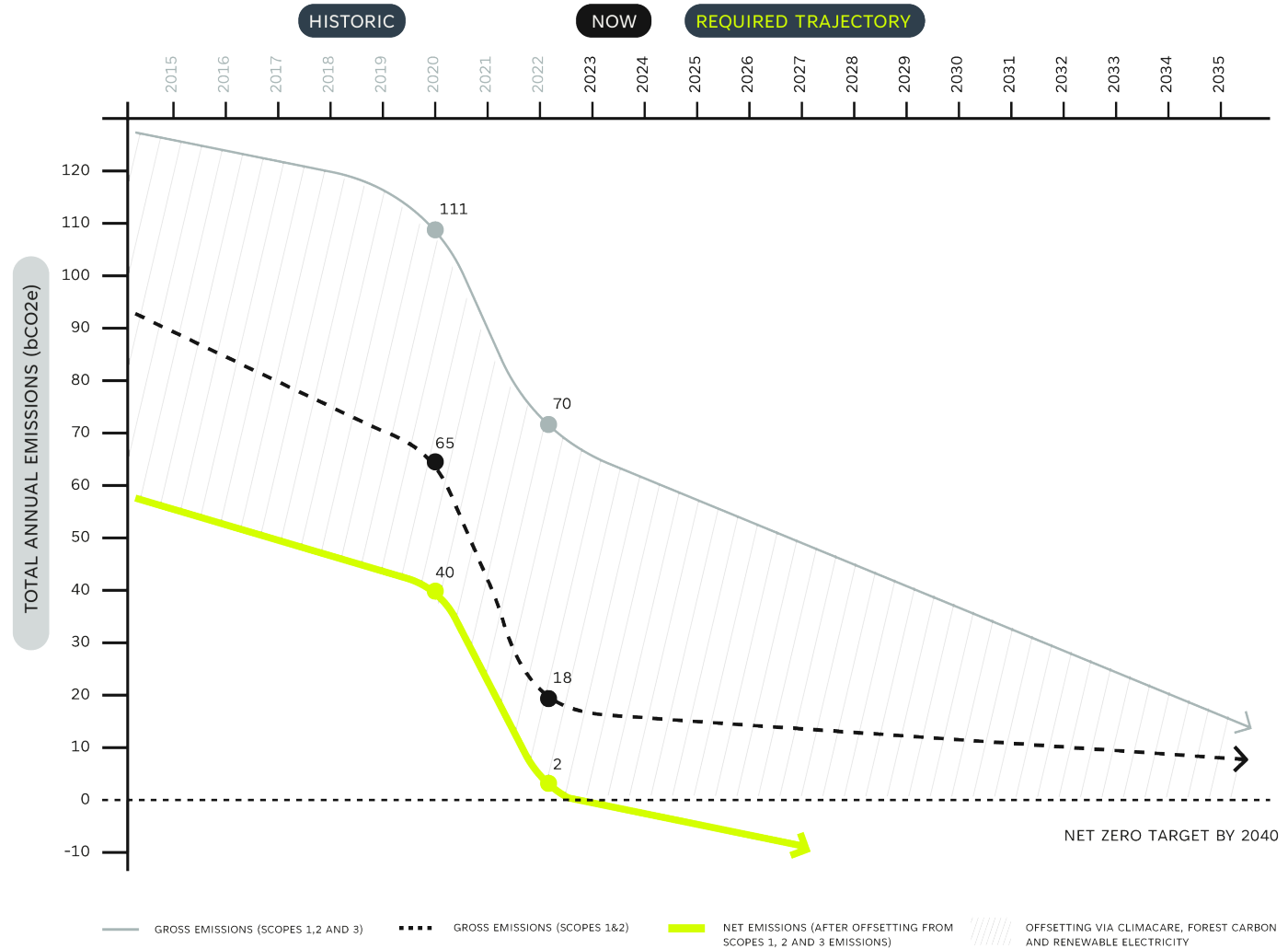
Delivery of Lifetime Zero Carbon Forest School Nursery at University of Staffordshire



Designer of DfE's Lifetime Zero Carbon Sustainability Pathfinder at Maritime Academy



Delivery of 22no. BREEAM Excellent buildings







### SCOPE 1:

- Gas consumption (Nottingham)
- Gas consumption (London)
- Gas consumption (Birmingham)
- Coolant replenishment (Nottingham)
- Business Travel - Company vehicles

### SCOPE 2:

- Electricity Consumption (Nottingham)
- Electricity Consumption (London)
- Electricity Consumption (Birmingham)

### SCOPE 3:

- Distribution Losses – Gas (WTT)
- Distribution Losses – Electricity (T&D)
- Water Supply & Treatment (Nottingham)
- Water Supply & Treatment (London)
- Water Supply & Treatment (Birmingham)
- Business Travel – Private Car
- Business Travel – Air
- Business Travel – Rail
- Business Travel – Taxi
- Business Travel – Bus
- Hotel Stays
- General Waste (Nottingham)
- Recycled Waste (Nottingham)
- WEEE Electronic Recycled Waste
- ICT Electronics Purchase
- Working from Home
- Staff Commuting
- Off-site Data Storage

### SCOPE 2:

- Measured since 2015/16
- Measured since 2019/20 with support from NTU Sustainability Team
- Measured since 2022-23

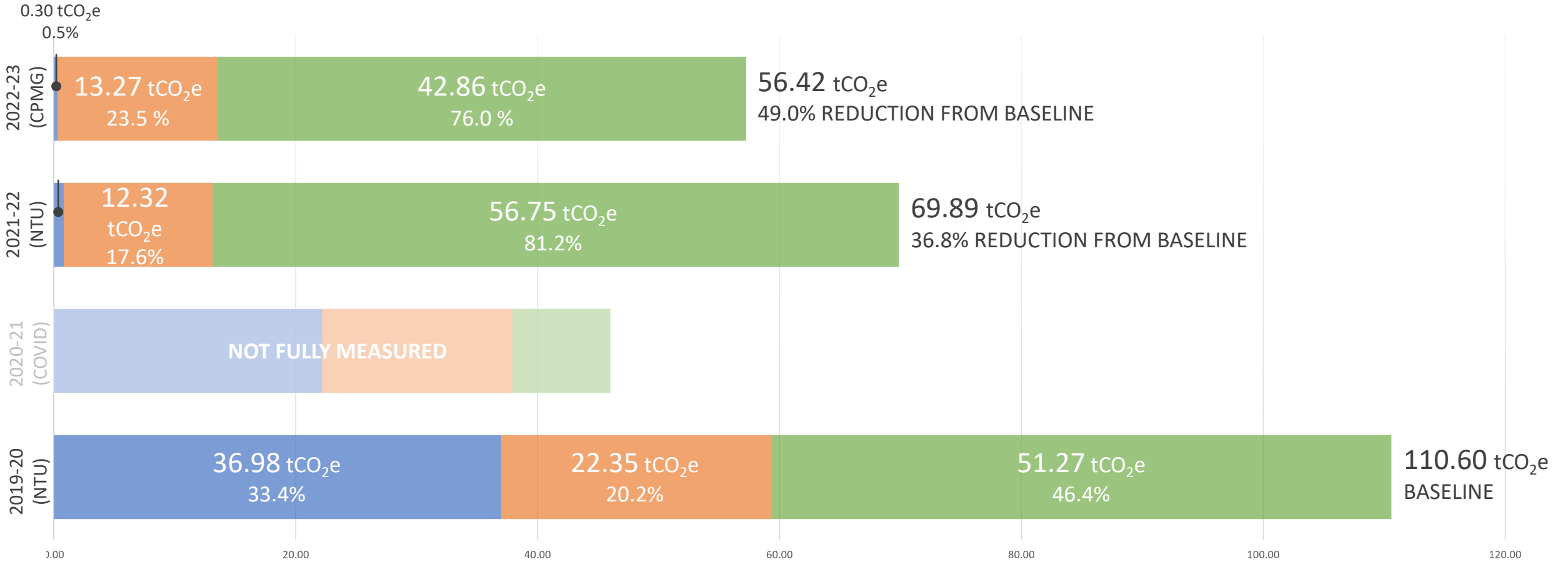


# CARBON FOOTPRINT ASSESSMENT 2022-23 EMISSIONS INCLUDED IN CURRENT ASSESSMENT

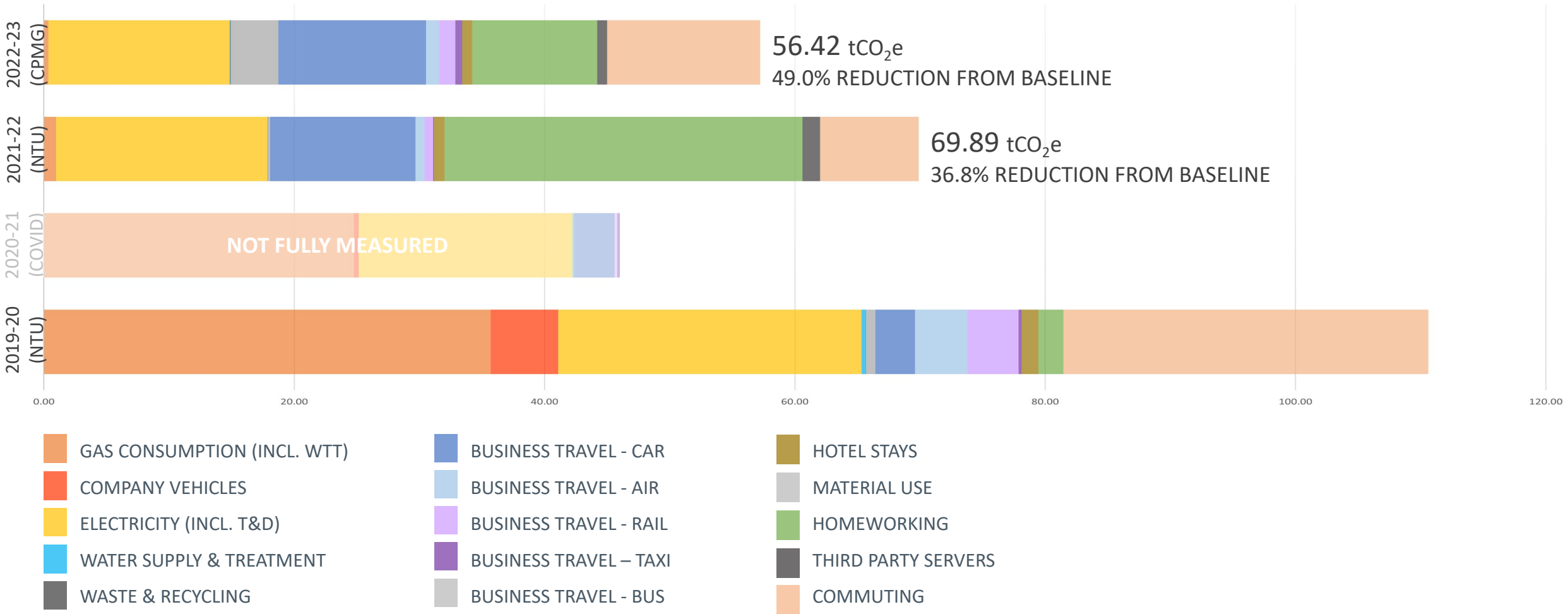




- SCOPE 1 EMISSIONS - DIRECT
- SCOPE 2 EMISSIONS - INDIRECT
- SCOPE 3 EMISSIONS – SUPPLY CHAIN



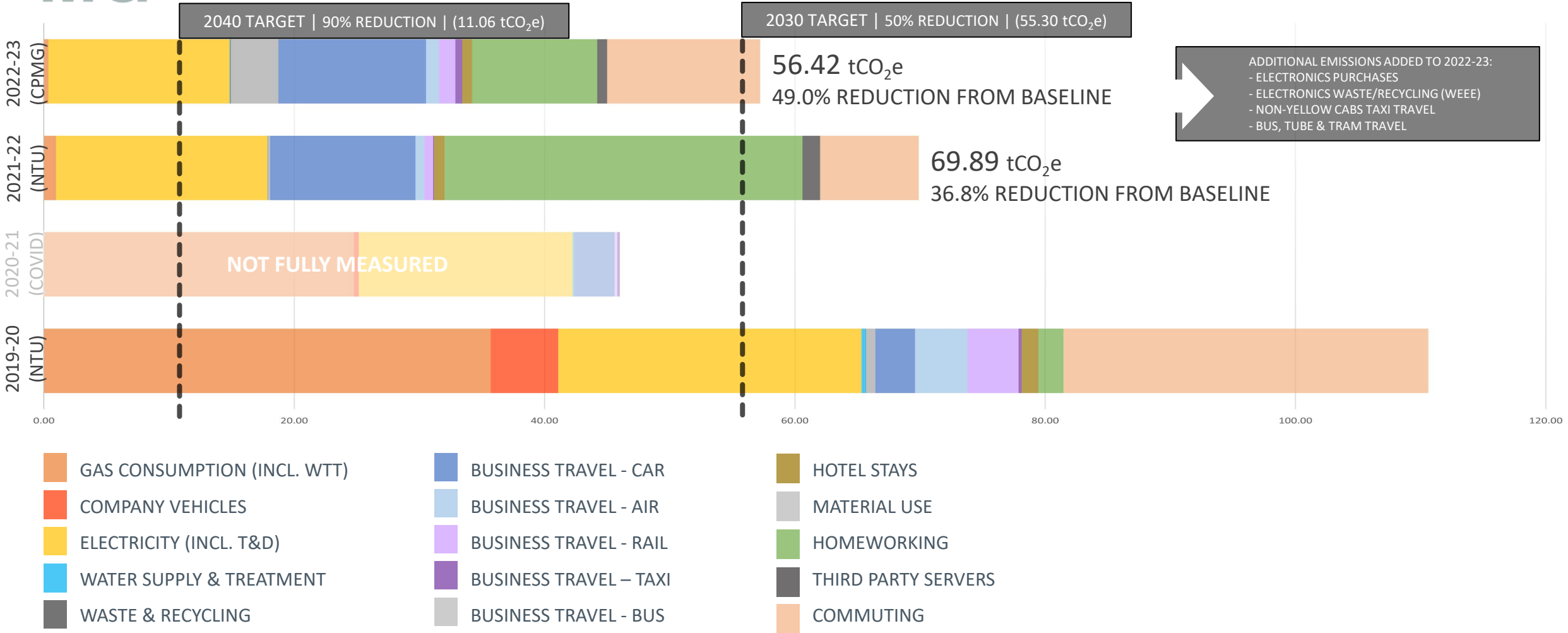
# CARBON FOOTPRINT ASSESSMENT 2022-23 OVERVIEW – BY SCOPE



# CARBON FOOTPRINT ASSESSMENT 2022-23 OVERVIEW – DETAILED BREAKDOWN



Let's create something together.

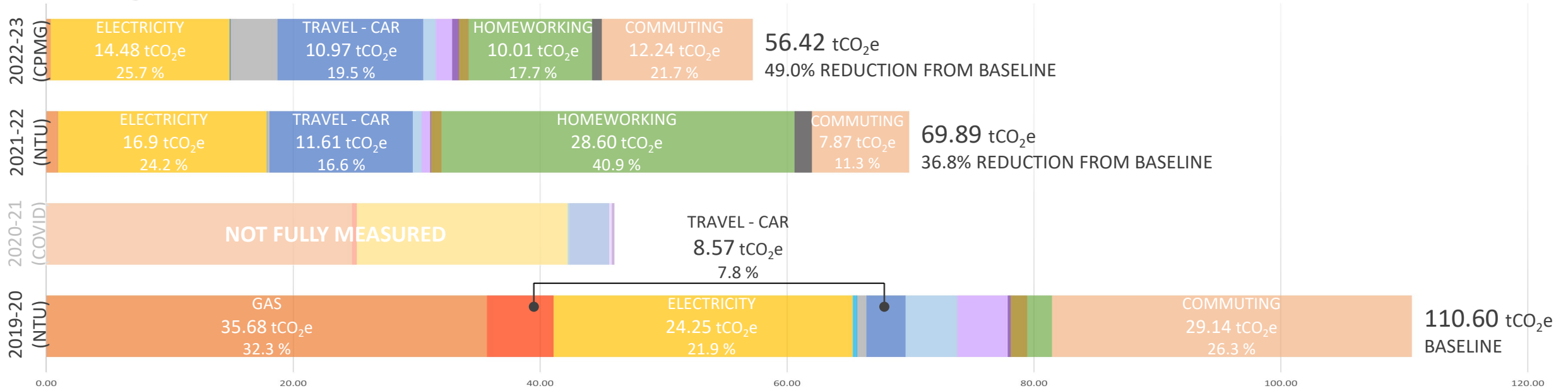


# CARBON FOOTPRINT ASSESSMENT 2022-23

## PROGRESS AGAINST NET ZERO CARBON TRAJECTORY



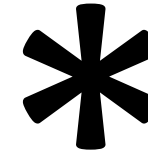
Let's create something together.



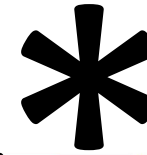
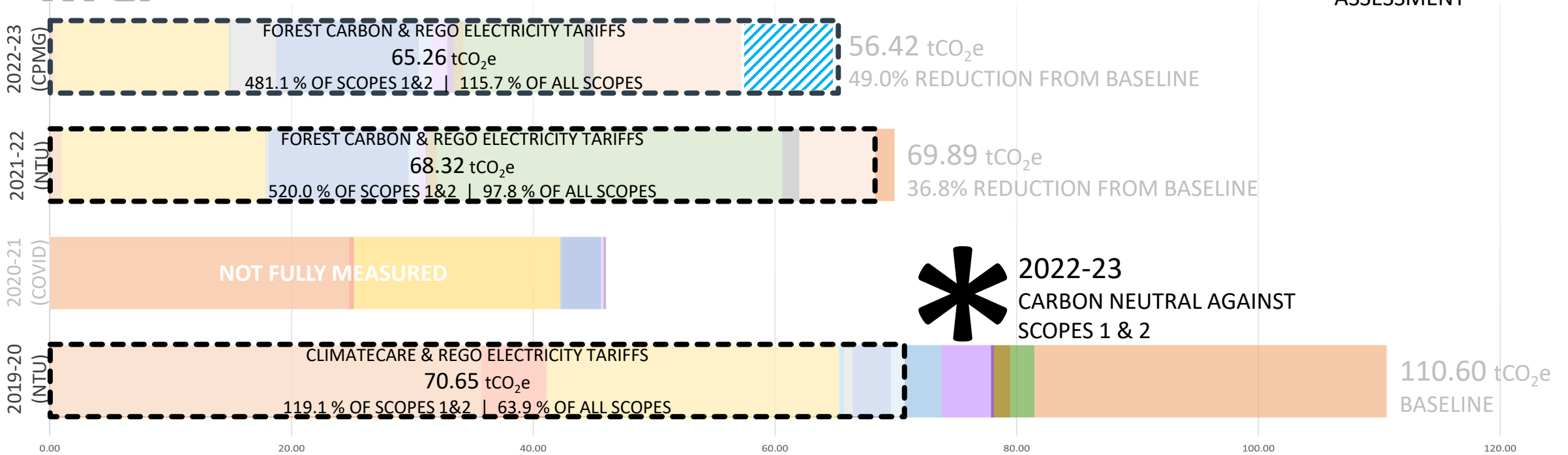
- GAS CONSUMPTION (INCL. WTT)
- COMPANY VEHICLES
- ELECTRICITY (INCL. T&D)
- WATER SUPPLY & TREATMENT
- WASTE & RECYCLING
- BUSINESS TRAVEL - CAR
- BUSINESS TRAVEL - AIR
- BUSINESS TRAVEL - RAIL
- BUSINESS TRAVEL - TAXI
- BUSINESS TRAVEL - BUS
- HOTEL STAYS
- MATERIAL USE
- HOMEWORKING
- THIRD PARTY SERVERS
- COMMUTING

# CARBON FOOTPRINT ASSESSMENT 2022-23

## KEY CONTRIBUTIONS



2022-23  
CARBON NEUTRAL AGAINST  
FULL SCOPE OF  
ASSESSMENT



2022-23  
CARBON NEUTRAL AGAINST  
SCOPES 1 & 2

- GAS CONSUMPTION (INCL. WTT)
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# CARBON FOOTPRINT ASSESSMENT 2022-23

## CARBON OFFSETS & CARBON NEUTRALITY



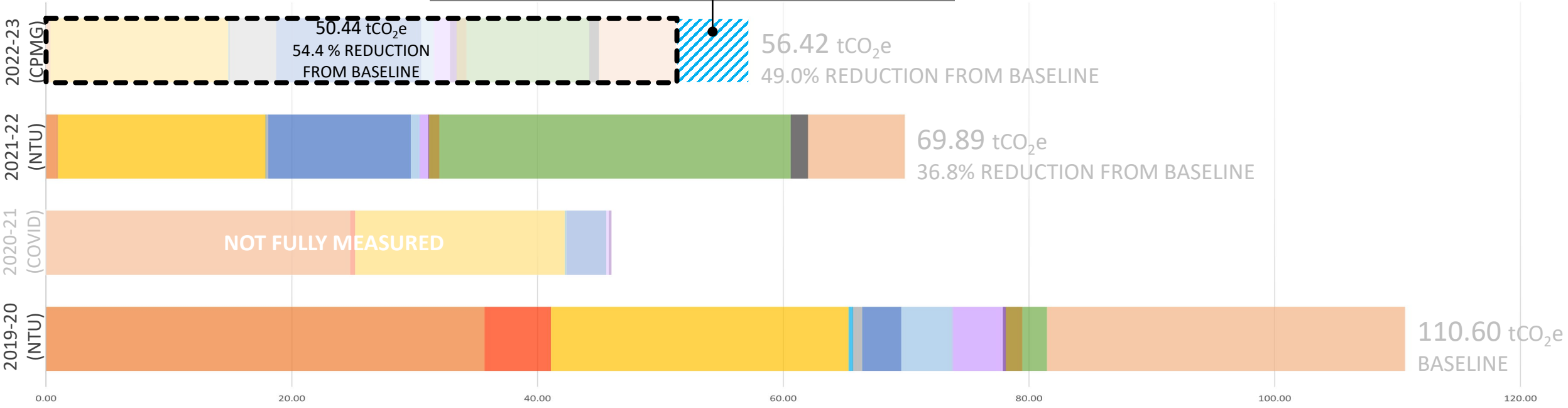
Let's create something together.



**BUSINESS TRAVEL:**

- DIRECTOR CARS TO ELECTRIC      SAVING c. 5.3 tCO<sub>2</sub>e
- NON-DIRECTOR CARS TO ELECTRIC      SAVING c. 0.5 tCO<sub>2</sub>e

TOTAL SAVING c. 5.8 tCO<sub>2</sub>e



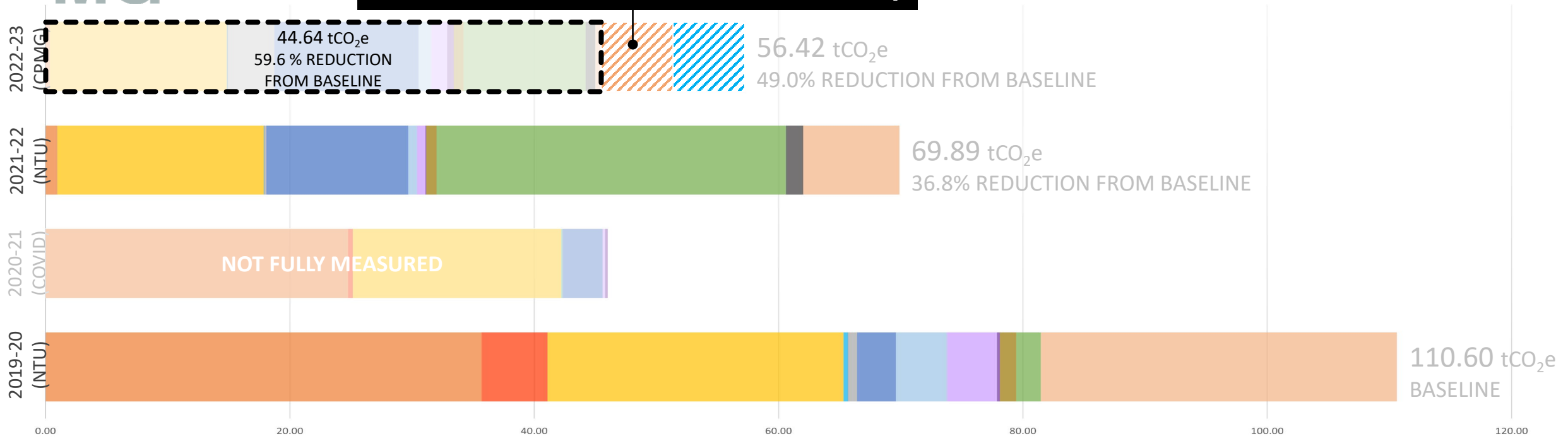
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# CARBON FOOTPRINT ASSESSMENT 2022-23

## POTENTIAL FUTURE REDUCTIONS: 'WHAT IF...?'



COMMUTING:  
 - DIRECTOR CARS TO ELECTRIC SAVING c. 3.1 tCO<sub>2</sub>e  
 - NON-DIRECTOR CARS TO ELECTRIC SAVING c. 2.7 tCO<sub>2</sub>e  
 TOTAL SAVING c. 5.8 tCO<sub>2</sub>e



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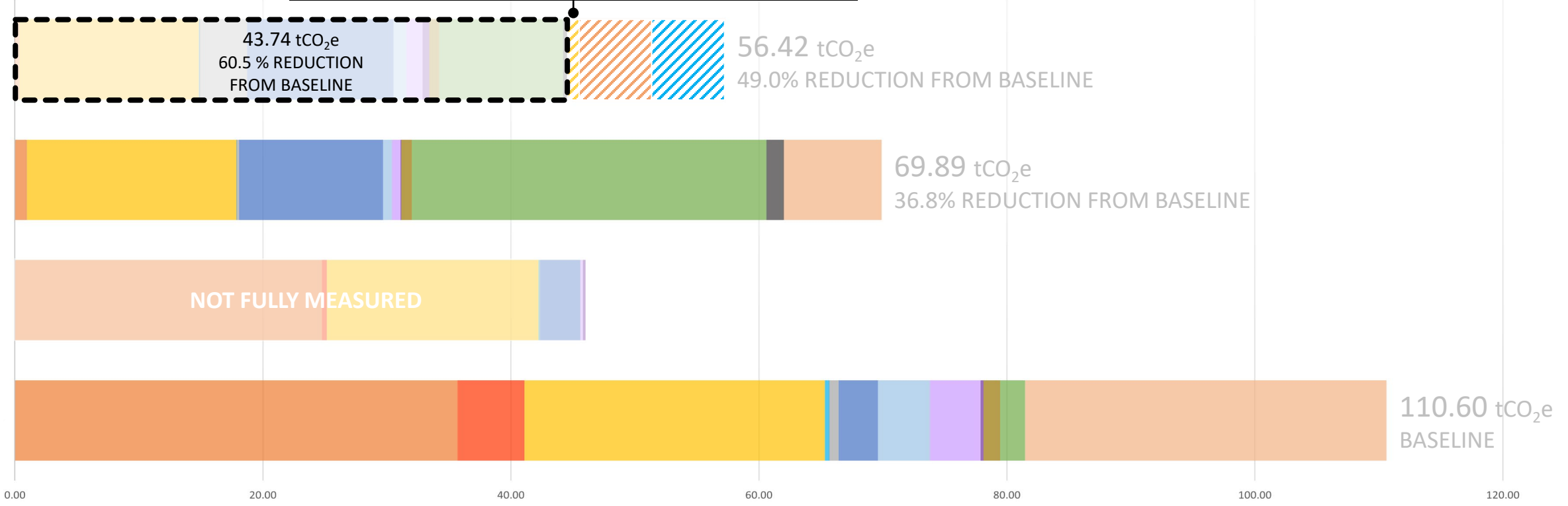
# CARBON FOOTPRINT ASSESSMENT 2022-23

## POTENTIAL FUTURE REDUCTIONS: 'WHAT IF...?'





PV ARRAY AT SPG (LANDLORD PERMISSION REQUIRED)  
- 2no. 2.4x7.2m ARRAYS  
- GENERATION c. 4,000 kWh (AGAINST 65,000 kWh USAGE)  
TOTAL SAVING c. 0.9 tCO<sub>2</sub>e



- GAS CONSUMPTION (INCL. WTT)
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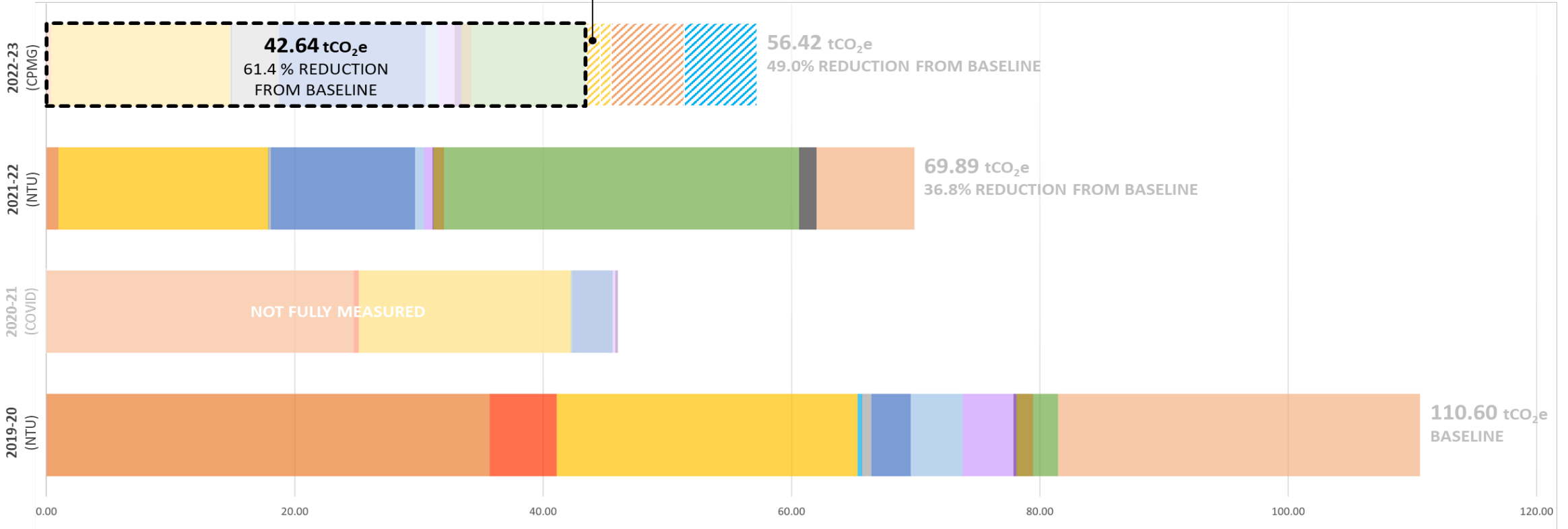
# CARBON FOOTPRINT ASSESSMENT 2022-23

## POTENTIAL FUTURE REDUCTIONS: 'WHAT IF...?'



**GRID DE-CARBONISATION**  
 - 8% PER YEAR CURRENTLY  
 - CUMULATIVE SAVING YEAR ON YEAR

**TOTAL SAVING c. 1.1 tCO<sub>2</sub>e**



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# CARBON FOOTPRINT ASSESSMENT 2022-23

## POTENTIAL FUTURE REDUCTIONS: 'WHAT IF...?'



**50% REDUCTION IN HOMEWORKING:**

- HALVING OF WFH EMISSIONS
- INCREASE IN COMMUTING EMISSIONS

SAVING c. 5.0 tCO<sub>2</sub>e  
INCREASE c. 3.4 tCO<sub>2</sub>e

**TOTAL SAVING c. 1.6 tCO<sub>2</sub>e**

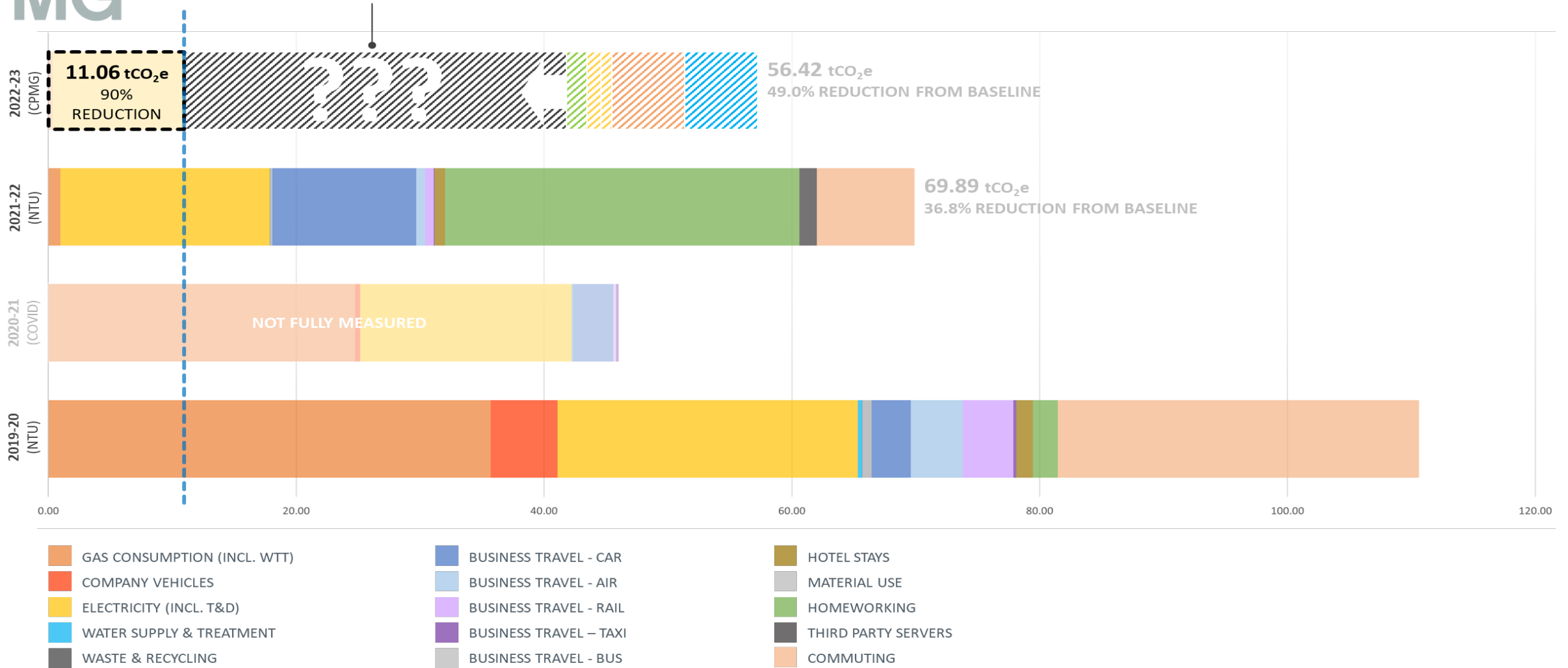


# CARBON FOOTPRINT ASSESSMENT 2022-23

## POTENTIAL FUTURE REDUCTIONS: 'WHAT IF...?'



### REMAINING CARBON REDUCTIONS



# CARBON FOOTPRINT ASSESSMENT 2022-23

## POTENTIAL FUTURE REDUCTIONS: 'WHAT IF...?'



Let's create something together.

Let's create something  
**remarkable.**  
responsible.  
real.

