Carbon Reduction Plan 2026



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BCR Infinity Architects are taking active measures to reduce our businesses operational climate impact through the Race to Net Zero campaign and have developed our work flows in line with our ISO 14001 accreditation

"For BCR Infinity Architects true sustainability encompasses environmental, social and economic factors, which goes hand in hand with architecture, an industry all about people and place. We believe it is our duty as designers to ensure we consider the impact of our design and specification decisions in each project, whilst encouraging the people we work with to do the same."

Chris Jones - Director

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The Climate Emergency

Global Landscape

Climate change is the long-term alterations in the earth's climate patterns. These changes include variations in temperature, precipitation, wind patterns, and other indicators.

It is primarily caused by human activities (anthropogenic), such as burning fossil fuels, deforestation and industrial processes, which release greenhouse gases into the atmosphere. These gases trap heat, leading to a warming effect known as the greenhouse effect.

The rise in global carbon emissions has led to global warming, rising sea levels, extreme weather events, loss of biodiversity and numerous other environmental and socio-economic consequences.

The climate emergency demands immediate action to mitigate these impacts by promoting sustainable practices and secure a liveable planet for present and future generations.

The Construction Sector

The construction industry has had a significant impact on the climate due to its energy consumption, resource extraction and greenhouse gas emissions.

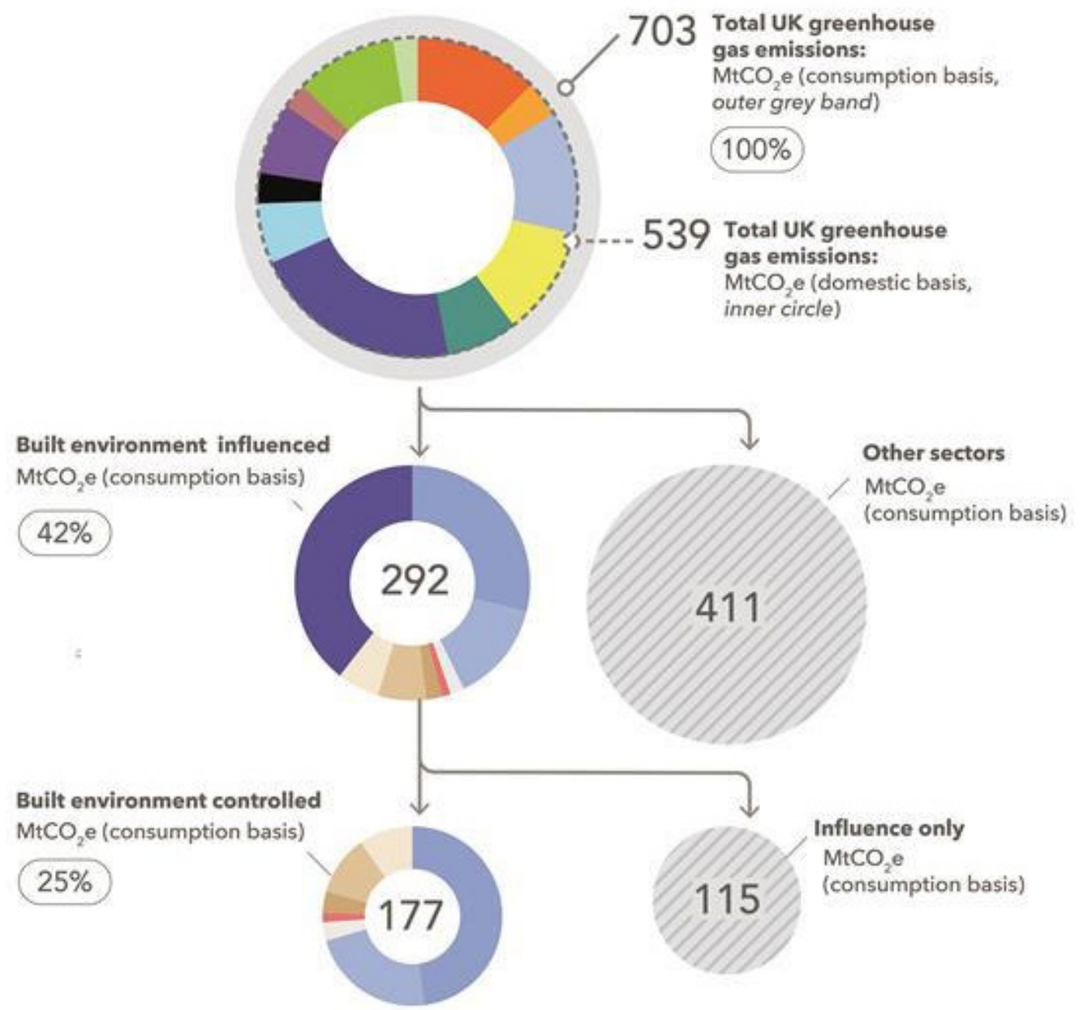
The sector is a major contributor to carbon dioxide (CO2) emissions, which are the primary drivers of climate change. The construction process itself requires substantial energy, primarily from fossil fuels, for activities like manufacturing materials, transportation, and on-site operations.

Additionally, the extraction and production of construction materials, such as cement and steel, release significant amounts of CO2 into the atmosphere. Furthermore, the construction industry generates large amounts of waste, including construction debris and demolished materials, which contribute to landfill emissions. Improper waste management practices can further exacerbate the environmental impact.



United Nations - 17 sustainable development goals

Total UK Greenhouse Gas Emissions (2018 data)



Net Zero Whole Life Carbon Roadmap: A pathway for the UK Built Environment - UK Green Building Council - 2021

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BCR Infinity Architects

Our Place in the System

As lead designers we are in a unique position to try to drive down the embodied and operational carbon of our building projects. Through careful material selection and analysis we can work with our clients and design team to deliver buildings that have a lower impact on our environment.

As Architects we contribute to climate change through our design decisions, material choices, and energy consumption considerations as our Scope 3 emissions. These emissions are inherited by the building owners and users throughout the life cycle of the building. The design of buildings can influence energy efficiency, greenhouse gas emissions, and the overall environmental impact of construction projects.

Our Commitment

BCR Infinity Architects are committed to working in a manner that minimises the impact we have on the environment, BCR Infinity are fully committed to supporting global efforts of minimising global warming in line with the 2015 Paris agreement, supporting our stakeholders and working in a manner that will limit annual global temperature increases to well below 2°C and preferably 1.5°C . Our working practices have been developed to ensure that our business operations are as environmentally conscious as our project designs. We operate utilising recognised policies and procedures under a BS EN ISO 14001:2015 accredited system. This ensures that our management work-flows continually develop and adapt to the latest best practices and regulations.

Our Business

As Architects we are uniquely placed to influence how our designs are built. Having early engagement with our clients we are able to help them define their environmental aspirations, assess their viability and define an approach that is uniquely appropriate to their needs.

BCR Infinity draw from 40 years experience of designing and delivering buildings in ways that are considerate of both the environmental, social and financial implications. Our Passivhaus certified professionals help guide best practice from first principles of envelope design into our details and specifications. As a practice we pride ourselves on not only high quality front end design but also working with the wider design team and contractors to deliver best in class buildings on-site. We collaborate closely with engineers to optimise structural and mechanical systems, reducing the volume of material used on site and buildings operate efficiently thoughout their life span.

We believe that good architecture is not just about building high performance assets. Carefully considered design benefits not just the building users but the wider community. Growing cities in a way that responds to the people's needs ensures that they are able to feel safe, happy and healthy in the environment. BCR Infinity work to engage with the communities we work with to understand their needs and build communities with our designs at the centre.

Reduction Targets and Strategy

BCR Infinity understands that as a business there is a need to continuously improve performance and reduce our impact on the environment. We aim to make significant carbon reductions between now and 2030. We are currently implementing and working towards the following policies:

Carbon reduction targets for year on year improvements

1. Reducing carbon emission by at least 50% by 2030
2. Achieving Net Zero energy emissions from our business premises by 2030
3. Reducing embodied carbon emissions in projects by 40% by 2030

These goals are aligned with our wider sustainable commitments in the requirement to keep global temperature rise well below 2°C. To achieve this BCR infinity will implement the following:

Our sustainability lead shall measure and monitor our progress on carbon emission reductions. This shall be reviewed annually by the company owners and directors and when necessary additional mitigation methods put in place.

BCR Infinity will organise staff training to ensure our projects continue to be delivered to the highest quality with environmental stewardship as a core component. Methods are in place to distribute individual skills and knowledge with the wider team. A platform for sustainable discussion and ideas sharing has be developed and will continue to be promoted across the business.

BCR infinity demonstrate that their operations are sustainably managed using the ISO 14001 framework and will ensure that this accreditation is maintained.

BCR infinity utilise specialist software tools and techniques to assess the environmental impacts of our works, these may include software packages, teleconferencing, assessment methodologies or collaborations with specialists.

In the future any Carbon offsetting of emissions shall be carried out using UK based, Verra VCS and gold standard certificates.

Artificial Intelligence and large language models are upcoming technological innovations that staff and colleagues have access to. BCR Infinity have implemented training to mitigate some of the risks associated with this technology and to ensure that these are used only where value is added ensuring responsible use of resources throughout the supply chain.

In line with our ISO 14001 accreditation BCR Infinity responsibly monitor and control our waste streams, separating general waste from recycling. IT and other office equipment is disposed of at recycling sorting centres or donated for reuse.

BCR Infinity promote low carbon and active transport arrangements. Salary sacrifice opportunities are available for leasing of electric vehicles and bikes through a cycle to work scheme. On our projects BCR Infinity aim to minimise where possible our company mileage through a teleconferencing first approach, avoiding transport carbon emissions before prioritising the use of public transport for site and client visits.

A premises review has been carried out to assess and address ongoing maintenance issues and promote further operational improvements periodically. These are used to discuss works to the building that we lease and identify opportunities to reduce and offset emissions in the future.

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Carbon Impact Plan

Approach
BCR Infinity have collated the business's operational electricity, gas, water and transit data since the start of 2022. This data has been used to assess our company's climate impact in the form of carbon dioxide equivalent (CO^2e). Our initial carbon assessment was carried out in 2023 and reviewed the 2022 period prior (January 2022 to December 2023). This evaluation has been used to define our baseline corporate carbon footprint and will be used as the basis of comparison in progressive years.

Changes
This year's carbon assessment has made no alterations to the methodology and continues to assess the same emission sources and uses the same tools and criteria as in the initial baseline carbon assessment.

Our cambridge office relocated at the end of 2025, as our base way of working has not changed the 2022 baseline shall still be used.

Due to the nature of our business operations, we have no notable sources of carbon sequestration on site and have not purchased any carbon offsetting credits or certificates to mitigate our climate impact.

Assumptions
The approach we have taken to assess our operational impact on the climateis to quantify our business emission in the form of tonnes of carbon dioxide equivalent ($TonCO^2e$) and have assessed the other five reportable greenhouse gas emissions in equivalence to carbon dioxide to ensure that all measured emissions sources are readily comparable.

To ensure that this assessment utilises information that is reliable and that gaps in data do not occur, the following assumptions have been made:

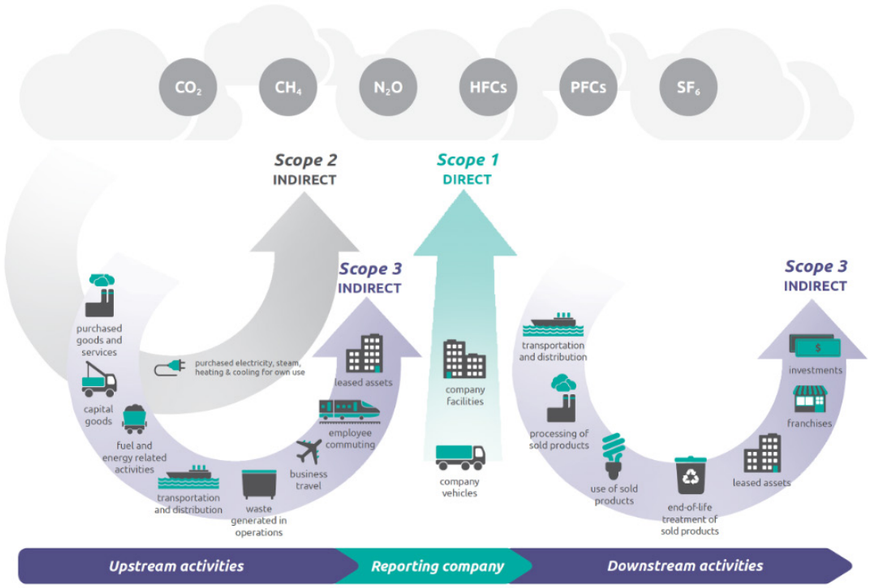
- Greenhouse gas emission factors have been sourced and utilised as part of the assessment as provided by the UK Government.
- An average weight of business waste has been measured for a typical operational day per office and this has been assumed to have been produced for every operational day.
- To assess the emissions of our employee travel into the office we have surveyed our staff's typical working week including number of days working in a particular office location, The distance from their home to the office that they are working, and the mode of transport taken. This has then been assumed to be their regular operation for the entire working year of 48 weeks.
- To assess the mode of travel we have taken the national average carbon emission factor for the average sized vehicle but have separated data by fuel source.
- Business travel by personal car usage has been calculated based on expenses receipts, taking the money reimbursed and dividing by the company's mileage rate.
- Business travel by taxi usage has been calculated based on expenses receipts, taking the money reimbursed and dividing by the UK average taxi rate per Km (£3.74).
- Business travel by train usage has been calculated based on expenses receipts, taking the money reimbursed and dividing by the UK average train rate per Km (£0.15).

Scope 1 – Direct emission sources
- Refrigerants used in air conditioning, heat pumps and other mHVAC systems.
- Heating systems utilising solid, liquid or gas combustion.
- Private business travel utilising fuel combustion

Scope 2 – Indirect emission sources
- Consumption of electrical energy for the operation of office equipment on premises

Exclusions
- Scope 3 – Emissions involved in the construction, operation transport and decommissioning of building projects.
- Scope 3 – Emissions relating to client, supplier and consultant visits to the business premises.
- Scope 3 – the transit related emissions of office consumables
- Emissions from the removal of general and recycled business waste

Scope 3 – Supply chain emission sources
- Consumption energy for the operation of office equipment and heating for home working of employees
- Consumption of potable water on premises
- Energy used in the transmission and distribution of gas and electrical energy.
- Emissions based on the operation and use of hotel accommodation for business purposes.
- Emissions from the use of Public and Active transport networks for business use
- Private employee travel for commute utilising fuel combustion
- Emissions from the use of public and active transport networks for commute, utilising fuel combustion
- Emissions based on the manufacture of select monitor-able office consumables.



WRI/WBCSD Corporate value chain accounting and reporting standard

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2022 Data - Baseline

Scope	Category	Item	Unit	Total	Carbon Factor (Kg CO2e)	Carbon Total (Kg CO2e)	Carbon Per Person (KG CO2e)
1	HVAC	Refridgerant	Kg	0.000	0.000	0	0.00
1	Utilities	Office - Gas	kWh	31039.335	0.200	6208	238.76
2	Utilities	Office - Electricity	kWh	19582.400	0.193	3787	145.65
3	Utilities	Office - Water	m3	108.000	0.149	16	0.62
3	Home working	Home - Heat n Power	Hr	14208.000	0.341	4841	186.21
3	Well to Tank	Office - Gas	kWh	31039.335	0.033	1039	39.96
3	Well to Tank	Office - Electricity	kWh	19582.4.00	0.055	1083	41.64
3	Distr. Losses	Office - Electricity	kWh	19582.4.00	0.018	346	13.32
3	Bussiness Stays	Hotel stays	Room Per night	1.000	11.5	12	0.44
1 & 3	Bussiness travel	Bussiness Total	Km	57714.309		9448	363.40
1 & 3	Grey Fleet	Fleet Totals	Km	48919.680		19295	742.10
3	Waste	General Waste	Tonnes	0.000	446.204	0	0.00
3	Waste	Recycling - Closed loop	Tonnes	0.000	21.28	0	0.00
3	Waste	Office - Water	m3	104.500	0.272	28	1.09
3	Consumables	General	Tonnes	0.000		0	0.00
Totals (Kg CO2e)						**46103**	**1773.20**
Grand Total (Ton CO2e)						46.103	1.773
1	Scope 1 (Ton CO2e)					15.527	
2	Scope 2 (Ton CO2e)					3.787	
3	Scope 3 (Ton CO2e)					26.789	

2025 Data

Scope	Category	Item	Unit	Total	Carbon Factor (Kg CO2e)	Carbon Total (Kg CO2e)	Carbon Per Person (KG CO2e)
1	HVAC	Refridgerant	Kg	0	0	0	0.00
1	Utilities	Office - Gas	kWh	26873.72	0.183	4915	204.80
2	Utilities	Office - Electricity	kWh	26297.3	0.177	4655	193.94
3	Utilities	Office - Water	m3	81	0.191	15	0.65
3	Home working	Home - Heat n Power	Hr	9408	0.334	3140	130.84
3	Well to Tank	Office - Gas	kWh	26873.72	0.030	812	33.83
3	Well to Tank	Office - Electricity	kWh	26297.3	0.004	104	4.35
3	Distr. Losses	Office - Electricity	kWh	26297.3	0.019	487	20.30
3	Bussiness Stays	Hotel stays	Room Per night	4	11.5	46	1.92
1 & 3	Bussiness travel	Bussiness Total	Km	54232.83		3955	164.80
3	Grey Fleet	Fleet Totals	Km	126957.12		14139	589.11
3	Waste	General Waste	Tonnes	0.168	497.242	84	3.48
3	Waste	Recycling - Open loop	Tonnes	0.149	4.686	1	0.03
3	Waste	Office - Water	m3	81	0.171	14	0.58
3	Consumables	General	Tonnes			0	0.00
	Totals (Kg CO2e)					32367	1348.63
	Grand Total (Ton CO2e)					32.367	1.349
1	Scope 1 (Ton CO2e)					8.045	0.298
2	Scope 2 (Ton CO2e)					4.655	0.172
3	Scope 3 (Ton CO2e)					19.668	0.728

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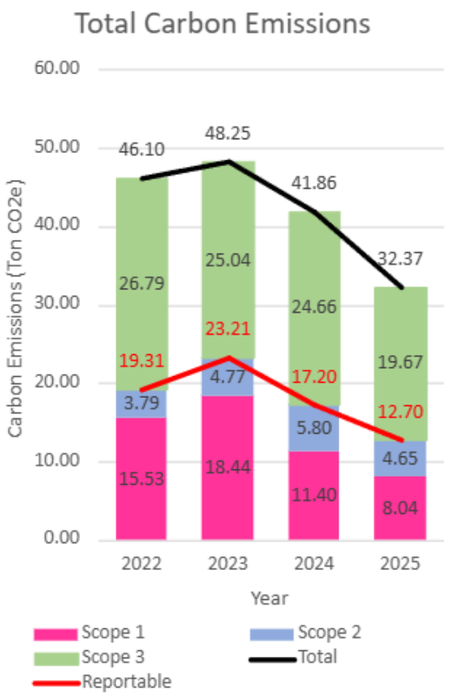
Period Review

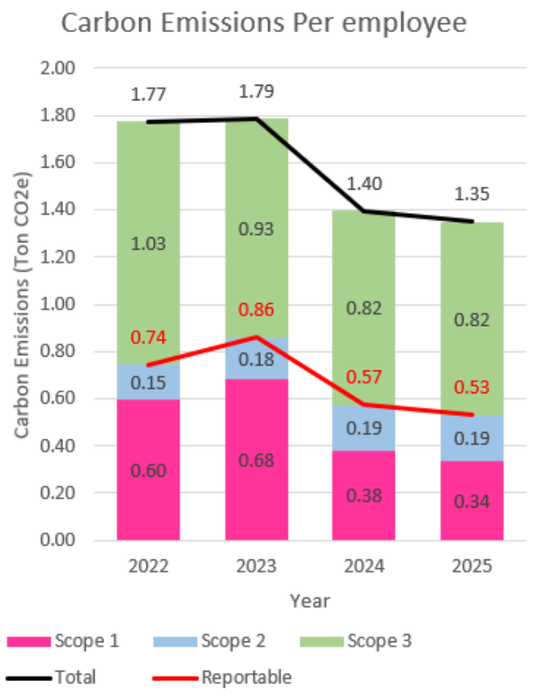
BCR Infinity Architects have overseen a considerable carbon reduction over the initial three year period of review. there was an initial increase in gas use (Scope 1) coming from the Cambridge office due to faulty heating controls and system. This was quickly resolved and repaired.

Further reductions in emissions have come from the company's policies around company travel and commuting. BCR Infinity provide staff with support in buying Electric cars, which has seen some uptake, and support staff car pooling where possiable.

The company sees gentle improvement in our emissions from electricity consumption. These are largely found from general grid imprvements however with the purchase of a Cambridge office it is our intent to investigate the installation of photovoltaics on company owned assets. Coupled with a potential shift to a certified green energy supplier (REGO certified) we could see this emission source eliminated.

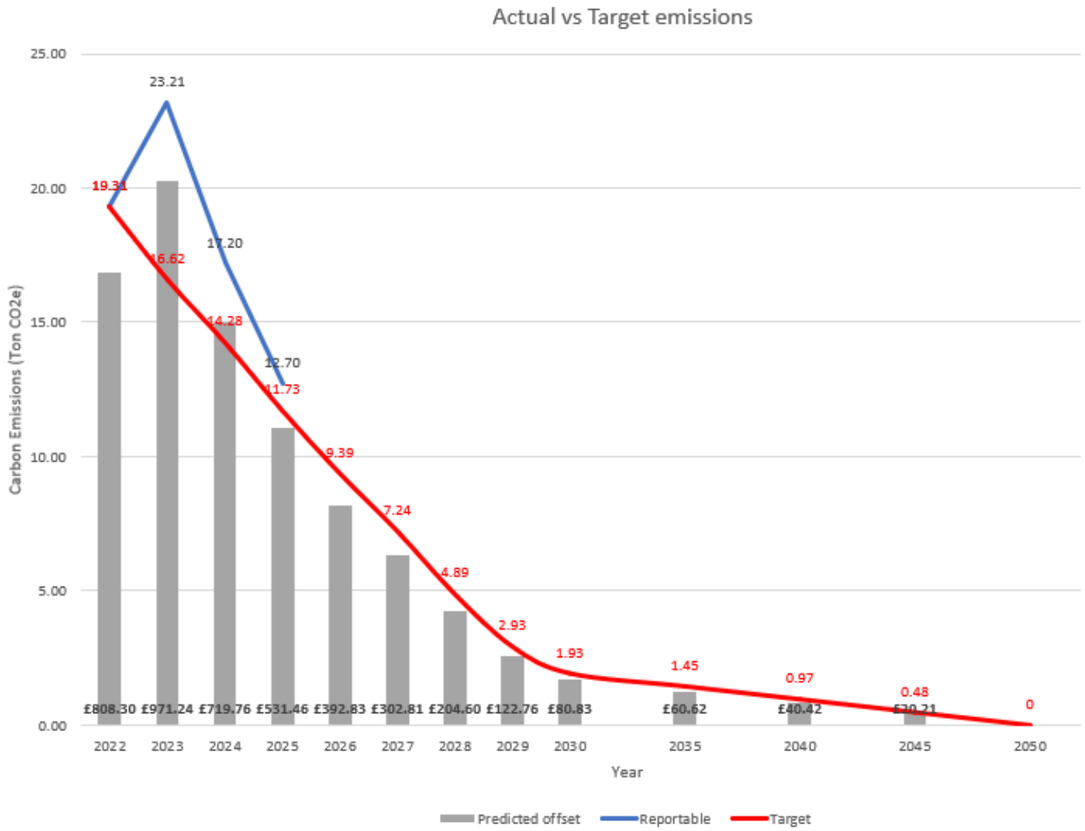
BCR Infinity should look to go fossil fuel free for its premises heating, hot water and cooling to eliminate natural gas from its energy supply, not only saving carbon but ongoing energy bills. This will be carried out as part of a greater energy review.





Below is a projection of our current reportable, Scope 1 and 2, emissions against our targets as noted earlier in the document. This indicates that we are slightly behind our target but should our current trajectory continue we are in line to meet our goals.

This table also suggests the potential cost for offsetting our carbon emissions each year to give a guideline economic impact / cost to meeting our net zero goals year on year. This also highlights our ambition to continuously improve our bussiness operations and mitigate our climate impacts.



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