



Green  
Building  
Council  
Italia

18 luglio 2023

# La decarbonizzazione dell'ambiente costruito: strumenti e buone pratiche

Maria Elena Gasperini, Jacobs

## Caso Studio Internazionale

[www.gbcitalia.org](http://www.gbcitalia.org)

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**R2M**  
RESEARCH TO MARKET  
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# Jacobs Carbon Footprint

**We use 2019 as our baseline year for all carbon reporting and carbon reduction target-setting, and each year we publish our GHG inventory (carbon footprint) which is verified by an accredited third party.**

Our carbon footprint is made up of various sources of emissions, categorized as **Scope 1**, **Scope 2** and **Scope 3**:

**Scope 1** emissions are carbon emissions that a company directly creates at the source. For example, exhaust from vehicles or combustion of natural gas in a boiler for heating a building.

**Scope 2** emissions are emissions that are indirectly caused by the energy consumption of a company, but which are emitted from equipment or sources controlled by other parties.

**Scope 3** emissions are the indirect emissions that come from all the other activities a company engages in and are often referred to as emissions from the supply chain.

A high-level summary of our carbon footprint data is captured below. More detail on our carbon data and our verification statements is published annually on our [Jacobs Investor Relations ESG microsite](#).

**45%**  
Reduction Total  
FY19 - FY21

**50%**  
Reduction  
Target  
by 2030

**90%**  
Reduction  
Target  
by 2040

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## Jacobs Climate Commitment



### Commitment 1

Our goal is to **make every project a climate response opportunity**.



### Commitment 2

Jacobs commits to **reaching net-zero** greenhouse gas emissions across the value chain **by 2040**.



### Commitment 3

We commit to maintaining **carbon neutrality** and **100% low-carbon electricity**.

### Commitment 1

Our goal is to **make every project a climate response opportunity**.



### Climate Response Accelerator

Our new 2022-2024 company strategy includes three new accelerators – **Climate Response, Consulting & Advisory and Data Solutions**. The vision behind the Climate Response growth accelerator is to position Jacobs as a market leader, maximizing long-term business and societal impact with the delivery of holistic, integrated, end-to-end solutions for energy transition, decarbonization, adaptation and resilience, and natural resource stewardship.



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## Jacobs Climate Commitment

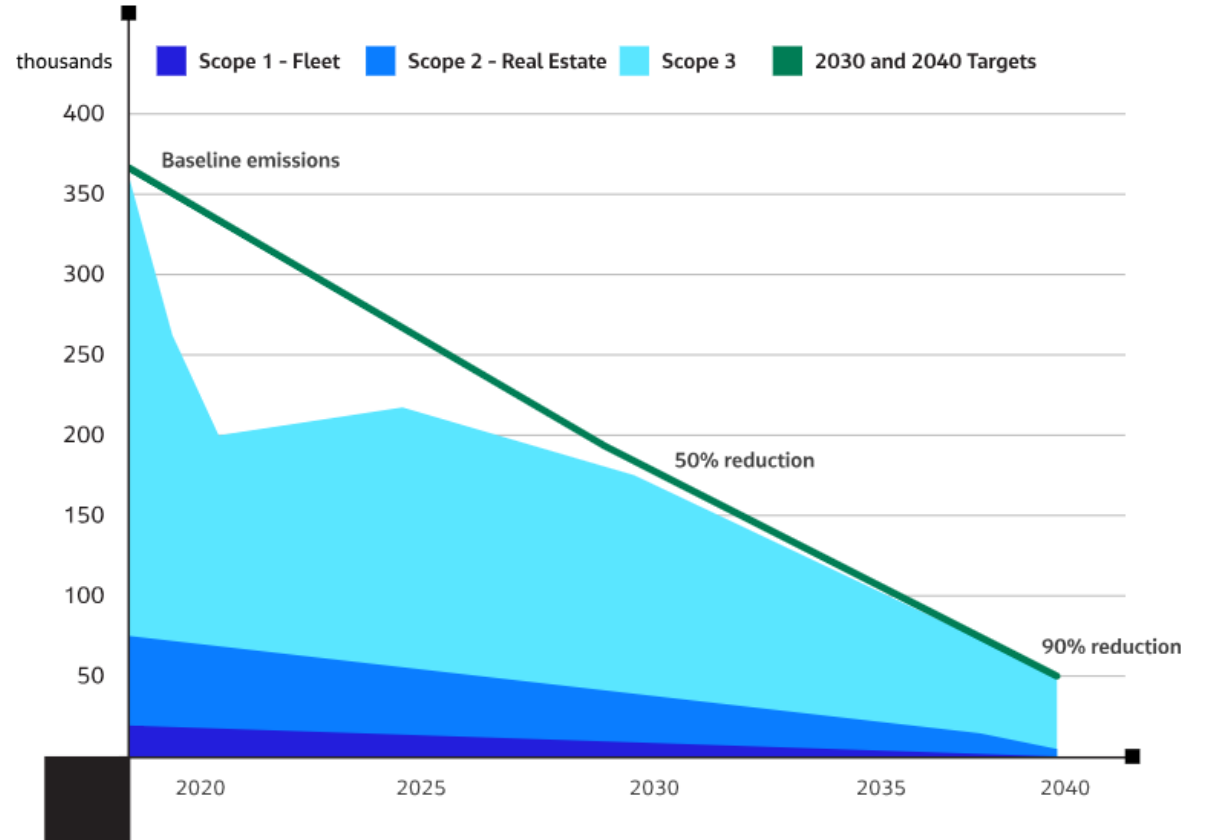
### Commitment 2

Jacobs commits to reaching **net-zero greenhouse gas emissions** across the value chain **by 2040**.



### Commitment 3

We commit to maintaining **carbon neutrality** and **100% low-carbon electricity**.



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### Jacobs Climate Justice

While climate change affects us all, communities with limited access to resources or situated in at-risk regions face its most severe impacts. Existing inequities such as those related to gender, race and wealth amplify the risk that climate change poses to people's lives, livelihoods and opportunities to participate in the green economy. Climate change is also driving both internal and cross-border migration due to natural disasters and resource scarcity, leading to other problems such as food insecurity and conflict.

At Jacobs, we are committed to propelling a transition to net zero that is not only rapid, but just. We recognize that climate justice cannot be achieved without urgent action and collaboration among public, private and civil society organizations, partnering with affected communities to provide critical response and co-create sustainable, resilient solutions.

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**At Jacobs, we live inclusion.** We are driving equity and equality in climate response through multiple channels – spanning our business operations and client solutions, charitable giving and volunteering, and partnerships and policy engagement.

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**To accelerate the transition to a net zero future that is just, we will:**

- Recognize and apply scientific findings of the IPCC Working Group II on climate impacts, adaptation and vulnerability, and share new understanding with our clients.
- Apply scenario analysis to map physical and transitional risks arising from climate change, integrating principles of adaptive planning into our solutions to protect the most vulnerable in society.
- Accelerate decarbonization and adaptation plans in cities, using the UN SDGs as a lens to put the needs of people and communities first.
- Optimize our partnerships and memberships to understand and respond to the socio-economic impacts of climate change in our operating regions, including the displacement of people and communities.



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### Jacobs Climate Justice



### WATER FOR PEOPLE

[Water For People](#) (WFP) is a global non-profit working across Latin America, Africa and Asia to achieve lasting access to clean water and sanitation solutions. With a focus on engagement and capacity building, WFP brings together communities, local entrepreneurs and governments to build, operate and manage their own systems – ensuring they have the training and tools needed to maintain them for generations. Jacobs has donated over \$4 million and provided thousands of volunteer hours to support WFP's vision, advancing water equity and resilience among communities at high risk for climate impacts.

**Since 1991, Jacobs has donated over \$4million and provided thousands of volunteer hours to support WFP's vision, advancing water equity and resilience among communities at high risk for climate impacts.**

Photo courtesy of Water For People

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## Jacobs Climate Justice

10  
REDUCED  
INEQUALITIES



### BRIDGES TO PROSPERITY

[Bridges to Prosperity](#) (B2P) collaborates with local partners, communities, governments and businesses to install footbridges in isolated rural communities around the globe. Locations are determined based on comprehensive needs and impact assessments, which include vulnerability of the community to climate impacts. Constructed with locally sourced materials, the bridges are durable to withstand extreme weather events. Providing year-round access to healthcare, education and economic opportunity, the bridges connect communities to key resources, enabling improved health outcomes, career advancement and increased participation of women in the workforce.

**Jacobs' employees have participated in B2P builds since 2014, and we are proud to support a team of employee volunteers for the B2P Rwanda Bridge Build in 2022.**



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### Jacobs Sustainability Governance



Our passion and commitment to act on climate change comes from our leadership and our 55,000+ employees, many of whom are already experiencing the impacts of the climate emergency. The commitments and actions in this Climate Action Plan are made under the direction of Jacobs Chair and CEO, Steve Demetriou, who has made this a priority goal, with executive compensation tied to meeting this goal.

In 2021, Jacobs formed an ESG & Risk Committee to further increase Board of Directors' oversight of ESG issues and reporting, and enterprise risk management. The PlanBeyond Executive Steering Committee has oversight responsibilities of PlanBeyond, including this Climate Action Plan. The Office of Global Climate Response and ESG has responsibility for implementing this plan. Additionally, Jacobs has an ESG Reporting Committee comprising functional leads that are stakeholders in our carbon reporting and ESG disclosures. Regular updates and progress updates are reported to the Board by Jacobs' Chair and CEO.

[ESG Disclosure Document](#)

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*"We will continue to ensure **our own operations and value chain rapidly decarbonize**, as we focus on accelerating the necessary **shift to a zero-carbon economy** through the work we do every day around the world."*



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## Jacobs Sustainability

**Carbon Neutrality**  
for operations and corporate business travel in December 2020

**45%**  
**Carbon Emission Reductions**  
in 2021

**100%**  
Achieved and maintained low-carbon electricity for our operations in December 2020

**SBTi**  
Approved science-based carbon reduction targets in December 2020

**B-Level CDP**  
Achieved Climate Change climate disclosures in 2021

**Dow Jones**  
Included in the Dow Jones North American Sustainability Index in 2020 and 2021

**WEF**  
Member of the **World Economic Forum's (WEF) Alliance of CEO Climate Leaders**

**Race to Zero**  
Supporter of the United Nations' Race to Zero campaign and the Business Ambition for 1.5°C commitment.

**Internal Carbon Price**  
Introduced on corporate business travel

**TCFD**  
Published TCFD-aligned Climate Risk Assessment July 2021

**Employee Benefits**  
Incorporated climate-focused employee benefits, including **Climate Focused Pension Fund** and **Electric/ULEV Car Scheme** for employees within the United Kingdom

**USEPA**  
Included as one of the **Top Partner Rankings** as a USEPA Green Power Partnership **100% Green Power User**

**Strategic Partner**  
Acted as **global strategic partner** and headline sponsors at the **COP26 World Climate Forum** ('The Investment COP') in partnership with World Climate Foundation

**Employee Learning**  
Launched online Climate Solutions Accelerator course for all employees in partnership with Royal Scottish Geographical Society

**SBTi 'TAG'**  
Participating member of the **SBTi Technical Advisory Group (TAG)** since 2020 and a founding participant in the **Net-Zero Road Test** in 2021

**Supplier Engagement**  
Included as a leading company on **CDP's 2021 Supplier Engagement Leaderboard**, for taking action to measure and reduce climate risk within our supply chain



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### Sustainability trends in pharmaceutical market



Decarbonization within 2025 -2040



Full Electric site – no fossil fuels



Resources optimization (Energy, water, steam)



Circular Economy principles (waste, design for disassembly etc.)



LEED certification






Biodiversity



Social Value



## Large Biotech Project, Ireland

	Water Annual Savings	20%
	Steam Annual Savings	46%
	Energy Annual Savings	38%





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**Grazie.**

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