



# PPN 06/21 Carbon Reduction Plan

Jacobs Clean Energy Limited

1 October 2023

**This CRP was published prior to the merger between Jacobs CMS business and Amentum, and therefore bears the legal entity details that were correct at the time of publication. The Jacobs Clean Energy Limited legal entity is now known as Amentum Clean Energy Limited, and therefore this CRP applies to the Amentum Clean Energy Limited entity.**





PPN 06/21 Carbon Reduction Plan

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## Carbon Reduction Plan

Supplier name: Jacobs Clean Energy Limited

Publication date: 01/10/2023

This Carbon Reduction Plan for Jacobs Clean Energy Limited is published to meet the requirements of the United Kingdom (U.K.) Cabinet Office Procurement Policy Note – Taking Account of Carbon Reduction Plans in the Procurement of Major Government Contracts Action Note PPN 06/21.

Jacobs Clean Energy Limited is covered by the climate action commitments of our ultimate parent company Jacobs Solutions Inc. (Jacobs). Jacobs Clean Energy Limited emissions reported throughout this Carbon Reduction Plan are derived from Jacobs' total U.K. emissions, apportioned to Jacobs Clean Energy Limited based on the percentage of our total U.K. revenue.

% of Jacobs Total Revenue in the UK	FY19	FY20	FY21	FY22
Jacobs Clean Energy Limited	11.8%	11.8%	16.1%	17.2%

FY=fiscal year

As the percentage of total U.K. revenue for Jacobs Clean Energy Limited has increased from FY19 to FY22, this has increased the share of reported FY22 emissions relative to the base year (FY19).

### Commitment to Achieving Net-Zero

Jacobs Clean Energy Limited is committed to supporting the U.K. Government target of achieving net-zero emissions by 2050. Our parent company, Jacobs, has set Science-Based Target initiative (SBTi) approved net-zero targets for our Scope 1, 2 and 3 emissions which cover Jacobs Clean Energy Limited. Jacobs has achieved Carbon Neutrality in accordance with PAS 2060 for its business operations and business travel since 2020 and plans to be net-zero across the value chain by 2040. More information on Jacobs' climate commitments can be found in our [FY22 ESG Disclosures](#).

### Baseline Emissions Footprint

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

## Baseline Fiscal Year: 2019

### Additional details relating to the Baseline Emissions calculations.

These baseline emissions are for FY19 (October 1, 2018, to September 30, 2019), and are specific to Jacobs Clean Energy Limited operations.

Scopes 1 and 2 are derived from Jacobs' global emissions which were [third-party verified](#) to the GHG Protocol Corporate Standard (in July 2021).

Scope 3 emissions categories relevant to Jacobs include business travel well-to-wheel, employee commuting well-to-wheel, upstream fuel- and energy-related activities not included in Scope 1 or 2, purchased goods and services and investments. However, in alignment with the Cabinet Office's Technical standard for Completion of Carbon Reduction Plans, Scope 3 emissions reported here include:

- Waste generated in our operations
- Business travel
- Employee commuting

Scope 3 business travel and employee commuting well-to-wheel emissions are derived from Jacobs' global emissions which were [third-party verified](#) in July 2021 to the GHG Protocol Corporate Standard. Employee commuting emissions were calculated using the average-data method from the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard which involves estimating emissions based on employee headcounts and average (such as, national) data on commuting patterns<sup>1</sup>.

Our waste generated in operations emissions estimate is presented but deemed immaterial and not third-party verified. The UK portion of these emissions (as follows) are based on headcount. The vast majority of our waste generation is in leased office space where property owners control waste contracts, which limits Jacobs' ability to influence the carbon intensity of the waste treatment. Contracted waste treatment emissions for operations where we do have control over waste contracts are less than 1% of our total Scope 3 emissions and are included in our Purchased Goods and Services data, and therefore not relevant to our organization as a separate category.

Upstream Transportation and Distribution and Downstream Transportation and Distribution Scope 3 sources are not relevant to Jacobs nor are these emissions relevant to the professional services sector. As a professional services firm we typically do not provide or sell "products" that rely on purchasing upstream transportation and distribution services nor do we have inbound or outbound or intercompany logistics that would typically be associated with sold products. Emissions from procurement of goods and services related to internal business operations are covered by purchased goods and services – the majority of that are services which do not require upstream transportation and distribution services. Transportation and distribution of purchased goods for internal business operations are primarily dictated by the supplier, therefore limiting our ability to influence emissions beyond our control on the supplier selection which is already covered by the purchased goods and services category.

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<sup>1</sup><https://www.ons.gov.uk/employmentandlabourmarket/peopleinwork/employmentandemployeetypes/datasets/methodoftraveltowork>  
[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/877039/commuting-in-england-1988-2015.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/877039/commuting-in-england-1988-2015.pdf)

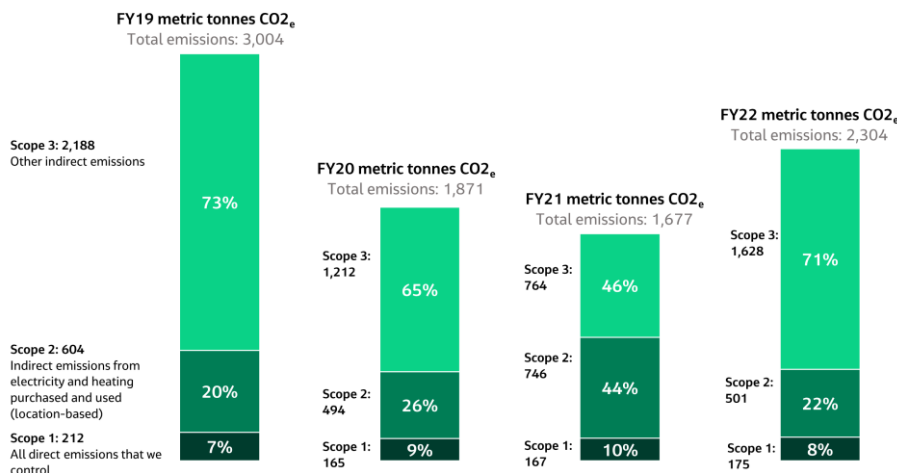
<b>Baseline year emissions: Fiscal Year 2019</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	212
Scope 2	604 (location-based) 619 (market-based)
Scope 3 (Included Sources)	Waste: 62 Business Travel: 1,043 Employee Commuting: 1,083
<b>Total Emissions</b>	<b>3,005 (Scope 2 location-based) 3,020 (Scope 2 market-based)</b>

### Current Emissions Reporting

<b>Reporting Year: 2022*</b>	
<b>EMISSIONS</b>	<b>TOTAL (tCO<sub>2</sub>e)</b>
Scope 1	175
Scope 2	501 (location-based), 150 (market-based)
Scope 3 (Included Sources)	Waste: 1 Business Travel: 968 Employee Commuting: 659
<b>Total Emissions</b>	<b>2,304 (Scope 2 location-based) 1,953 (Scope 2 market-based)</b>

\*(October 1, 2021 to September 30, 2022)

## Jacobs Clean Energy Limited Scope 1 to Scope 3 Emissions Comparison – FY19-FY22 (Scope 2 presented as location based to comply with UK Government Reporting Guidance)



\*The emissions reported are from the U.K portion of our global inventory data (which has been third-party verified) and then pro-rated based on the reporting legal entity's percent revenue of our total U.K business.

### Emissions Reduction Targets

To continue our progress to achieving net-zero, we have adopted the following global Jacobs carbon reduction targets which cover Jacobs Clean Energy Limited.

### Climate Action Plan Targets

Globally, we have set the following targets as outlined in the [Jacobs Climate Action Plan](#) (issued April 22, 2022):

1. Ensure every project becomes a climate response opportunity.
2. Achieve net-zero greenhouse gas emissions across the value chain by 2040.
3. Maintain carbon neutrality status and 100% low-carbon electricity for our operations.

Since FY19, Jacobs has reduced its global carbon footprint by 61% and has maintained carbon neutrality since 2020. This is in-line with PAS 2060: 2014 specifications to demonstrate carbon neutrality, as outlined in [Jacobs Carbon Neutrality Commitment](#). For the Jacobs' UK operations this was achieved in FY22 by reducing carbon in operations and then neutralizing the remaining carbon impact by purchasing Renewable Energy Guarantee of Origin (REGO) certificates and carbon offsets.

### Science-Based Targets

Globally, Jacobs has set the following SBTi near- and long-term approved targets:

1. We commit to reduce absolute Scope 1 and 2 GHG emissions 50% by 2030 from a 2019 base year.
2. We commit to reduce absolute Scope 3 GHG emissions from business travel and employee commuting by 50% by 2030 from a 2019 base year.
3. We commit that 65% of our suppliers by spend covering purchased goods and services, will have science-based targets by 2025.
4. We commit to reduce absolute Scope 1, 2 and 3 GHG emissions 90% by 2040 from a 2019 base year.

SBTi approved that Scope 1 and Scope 2 targets are aligned with a 1.5°C pathway. This means our emissions reduction targets are consistent with the aim of the Paris Agreement to limit average global warming to 1.5°C by the end of the century compared to pre-industrial temperatures. Our [SBTi Target Assessment Report from November 2020](#) is available on our corporate website; our [net-zero approval letter](#) issued by the Science Based Targets Steering Committee is also publicly available.

## Carbon Reduction Projects

The following environmental management measures and projects have been implemented since the 2019 baseline. The carbon emission reductions achieved in FY22 by these schemes equate to 438 tCO<sub>2e</sub>, a 51% reduction against the 2019 baseline and the measures will be in effect when performing the contract.

### Jacobs Carbon Neutrality Commitment PAS 2060: 2014

Jacobs continues to pursue 100% low-carbon electricity for our operations and carbon neutrality for our operations and business travel, in-line with PAS 2060: 2014 specifications for the demonstration of carbon neutrality. For further information please see [Jacobs Carbon Neutrality Commitment](#).

## Office Energy

As demonstrated in the [Jacobs Climate Action Plan](#), our direct Scope 1 emissions relate to our vehicle use and energy consumption for those offices where we have direct control. Our Real Estate Operations team is leading our reduction in energy use intensity per office through a mix of strategies, including:

- Improving energy data collection.
- Continuing office energy audits and efficiency measures across our portfolio.
- Ongoing consolidation of real estate portfolio.
- Arranging green leases and other agreements with property owners

Our indirect Scope 2 emissions comprise our emissions associated with purchased electricity and heating for leased offices. Our commitment to 100% low-carbon energy means that our electricity needs will be supplied globally through a variety of sources. These include, but are not limited to, green tariffs, such as REGO certificates for offices where we pay directly to U.K. energy suppliers.

In certain locations across Europe, we also have an Energy Management System (EnMS) which is certified to ISO 50001: 2018. This means we will monitor and measure our energy consumption aiming to reduce our consumption through the implementation of energy objectives.

## Supply Chain

Our Supply Chain Management and Procurement teams will:

- Establish climate action goals for major suppliers
- Partner with our supply chain to improve Scope 3 data and target reductions
- Explore green financing mechanisms attached to climate and carbon performance incentives

Further information regarding our supply chain engagement can be found in our [latest CDP response](#). We are also a member of the CDP Supply Chain as demonstrated on the [CDP website](#) and recognized on CDP's 2021 and 2022 Supplier Engagement Leaderboard for engaging our suppliers on climate change and "playing a crucial role in the transition towards the net-zero sustainable economy" (2023 results were pending at the time of this document's publishing).

## Carbon Mitigation Measures

Sustainability at Jacobs means ensuring long-term business resilience and success while positively contributing towards the economy, society and the environment. We carefully considered the United Nations Sustainable Development Goals (U.N. SDGs) to provide global context for shaping our [PlanBeyond™](#) Sustainability strategy.

As part of our commitment to maintain carbon neutrality we have procured carbon mitigation measures equivalent to the amount of carbon emitted for our operations and business travel since 2020. Although we are actively reducing our carbon footprint in line with science, we have determined there is a need to go further in limiting the impacts from climate change by investing in carbon mitigation measures that remove or avoid carbon emissions in locations beyond our operations or value chain carbon footprint.

Jacobs has procured carbon credits to mitigate the impacts from our operations while we actively reduce our

footprint. Through our investment in high-quality verified carbon reduction projects, we have also sought to also incorporate measures that also improve localized health, economies, biodiversity and nature in line with various U.N. SDGs that are associated with such projects. Our goals also include purchasing carbon credits per PAS 2060, from specified and audited sources, such as the Clean Development Mechanism (CDM), Verified Carbon Standard (VCS), to ensure no double counting occurs and that the projects are actively removing carbon emissions and, in the case of forestry initiatives, have sufficient buffers to ensure permanence by compensating for any unintentional reversals. In FY22, carbon credits were purchased to cover 100% of our Scope 1, Scope 2 heating and Scope 3 business travel carbon emissions.

### Jacobs' U.N. SDG Focus

<b>1</b>	Advance the health, wellbeing and safety of society	
<b>2</b>	Deliver solutions for the global water and sanitation crisis	
<b>3</b>	Foster a culture of technology and innovation important to the advancement of society	
<b>4</b>	Create a fair and inclusive future for all	
<b>5</b>	Develop efficient and resilient solutions that deliver net environmental and societal gain	
<b>6</b>	Accelerate solutions that address the climate emergency	

Our commitment also includes purchasing carbon credits from specified and audited sources, such as the CDM, Gold Standard and VCS, to ensure no double counting occurs and that the projects are actively removing carbon emissions and, in the case of forestry initiatives, have sufficient buffers to ensure permanence by compensating for any unintentional reversals.

Our dependence on carbon offsets and REGOs will diminish over time through emission reductions, other investments (such as, Virtual Power Purchase Agreements) and carbon insetting programs in partnership with our clients. Details of our carbon offset purchases can be found in the latest [Jacobs Qualifying Explanatory Statement](#).

#### Office Environmental Plans

Our externally certified Environmental Management System (EMS) is integrated in our Health, Safety and Environment Management System (HSEMS) and conforms to ISO 14001:2015. Our EMS includes the U.K. and Ireland and extends into locations in continental Europe.

An Office Environmental Action Plan (OEAP)/ Lab Environmental Action Plan (LEAP) or OEAP Lite is completed by our locations in Europe. These records provide quarterly performance data and address our compliance obligations.

#### Office Waste Management

Data regarding disposal and treatment of waste generated in our operations are collected from our Facilities on a quarterly basis. These data are a mix of primary data – metric tonnes/ kg of waste provided by the waste management company, and secondary data – data estimated through waste estimation tools or average weights. Waste metric reporting by Facilities includes both recycling and landfill figures, however only waste to landfill emissions were reported as part of our Standardised Energy and Carbon Reporting (SECR) submission.



## Business Travel

Business travel emissions for hotel stays and well-to-tank and tank-to-well emissions for air travel, rental cars, and personal vehicles, are calculated based on travel data provided by our business travel provider and standard widely accepted emission factors.

Business travel emission reduction measures include:

- Internal carbon pricing on non-billable business travel
- Employee engagement around travel reductions and use of less carbon intensive modes
- Encourage continued use of digital technology to avoid non-essential travel
- Changing rental car policies to increase electric and hybrid car use

## Employee Commuting

We currently estimate employee commuting using the average-data method from the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard which involves estimating emissions based on employee headcounts and average (such as, national) data on commuting patterns<sup>2</sup>.

We are looking at how to more accurately estimate GHG emissions associated with our employees' commuting through gathering voluntary data directly from employees. We are looking at more flexible working, balancing working from home with working in offices or at sites and we are promoting active travel through local office sustainable travel groups and providing facilities at offices that support walking and cycling to work.

## Partnering with Other Businesses and Governments

As one of the world's largest solutions companies, our biggest opportunity to affect climate change comes not from managing our own emissions, but through our influence on the world's largest infrastructure and critical mission projects and as an industry leader. By partnering with our clients, governments, and other stakeholders, and through our robust innovation process, we help identify and implement solutions to create a more connected, sustainable world.

We partner and engage in thought leadership with our clients and industry through networking with various organisations. Cross-industry partnerships will help us demonstrate our commitment to mitigating climate change and alignment with their policies. These organisations also provide a platform to share learning and continually improve and influence performance. Jacobs engages in various external organizations and initiatives dedicated to advancing our Environmental and Social Governance (ESG) and sustainability priorities, including but not limited to:

- [U.N. Global Compact](#) (Participant level)
- [U.N. Global Compact CFO Task Force for the Sustainable Development Goals](#) (Founding Member)
- U.N. Race to Zero Campaign Supporter
- U.N. Race to Resilience Campaign Member
- [World Economic Forum Infrastructure and Urban Development Governors Committee](#)
- [World Economic Forum, Alliance of CEO Climate Leaders](#)
- [Science Based Targets initiative – Business Ambition for 1.5°C](#)
- SBTi Technical Advisory Group (TAG)
- World Climate Foundation
- United States (U.S.) Environmental Protection Agency (EPA) Green Power Partnership
- [Business in the Community \(U.K.\) Net Zero Carbon Taskforce](#)
- [CDP](#) (Supply Chain Member)
- [World Environment Centre](#)
- [BSR \(Businesses for Social Responsibility\)](#)
- [Environmental Analyst – Sustainable Delivery Group](#)
- [Task Force on Climate-related Financial Disclosures \(TCFD\)](#) (Supporter)

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<sup>2</sup> [National Travel Survey - GOV.UK \(www.gov.uk\)](#)  
[Transport Statistics Great Britain: 2021 - GOV.UK \(www.gov.uk\)](#)

- Pledge to Net-Zero Alliance
- Champions of Change Coalition
- Science-Based Targets Network Corporate Engagement Program
- Engineers Without Borders
- Royal Scottish Geographical Society

**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>3</sup> and uses the appropriate emission conversion factors for corporate GHG reporting.

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>4</sup>.

This Carbon Reduction Plan has been reviewed and signed off by the Board of Directors (or equivalent management body).

**Signed on behalf of the Supplier:**

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Date: .....13 December 2023.....

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

<sup>4</sup> <https://ghgprotocol.org/standards/Scope-3-standard>