

PPN 6/21 CARBON REDUCTION PLAN

J.P. MORGAN SECURITIES PLC

Table of contents

1. Commitment to achieving Net Zero in U.K. operations	1
2. Baseline Emissions Footprint	2
3. Current Emissions Reporting	3
4. Emissions Reduction Targets	4
5. Carbon Reduction Projects	5
6. Declaration and Sign Off	7

1. Commitment to achieving Net Zero in U.K. operations

Minimizing the environmental impact of our physical operations is an important part of our overall sustainability strategy. Doing so supports our commitment to operating responsibly, enhances the resiliency of our firm and reduces costs. J.P. MORGAN SECURITIES PLC is committed to achieving Net Zero emissions in its U.K. operations by 2050, which is defined within this document as Scope 1 greenhouse gas (GHG) emissions from building operations and company-owned aircraft and vehicles; Scope 2 GHG emissions from purchased electricity; and Scope 3 GHG emissions associated with upstream transportation and distribution, waste generated in operations, business travel, employee commuting and downstream transportation and distribution.

J.P. MORGAN SECURITIES PLC is a wholly-owned subsidiary of JPMorgan Chase Bank, N.A. The ultimate parent undertaking and controlling party is JPMorgan Chase & Co. JPMorgan Chase & Co. and its subsidiaries are referred to as the 'Corporate Group'.

2. Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases 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 Year: 2020	
Additional Details relating to the Baseline Emissions calculations.	
<p>J.P. MORGAN SECURITIES PLC's operational GHG footprint stems from two primary activities: powering our buildings (e.g., electricity, heating and cooling) and business travel. Scope 2 emissions, from purchased electricity, are the largest driver of our building-related emissions and overall operational GHG footprint. The majority of our business travel-related emissions are Scope 3 emissions from reimbursed personal vehicle and rental car travel; and hotel stays. A small portion of our business travel emissions are Scope 1 emissions from company-owned vehicles.</p> <p>J.P. MORGAN SECURITIES PLC has utilised data from its Streamlined Energy and Carbon Reporting ('SECR') in compiling this baseline year. As this includes the first year to be considered within SECR, it will be used as the baseline moving forward.</p> <p>Office closures and operational changes due to COVID-19 played a substantial role in reducing emissions in 2020. As a result, J.P. MORGAN SECURITIES PLC reserves the right to re-baseline using a more recent period where operations are as close to pre-COVID-19 levels as possible.</p>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	55 tCO ₂ e
Scope 2	2,738 tCO ₂ e
Scope 3 (Included Sources)	4,031 tCO ₂ e The following categories are included in our Scope 3 emission figures: Category 4 - Upstream transportation and distribution Category 5 - Waste generated in operations Category 6 - Business travel Category 7 - Employee commuting Category Category 9 - Downstream transportation and distribution
Total Emissions	6,824 tCO₂e

3. Current Emissions Reporting

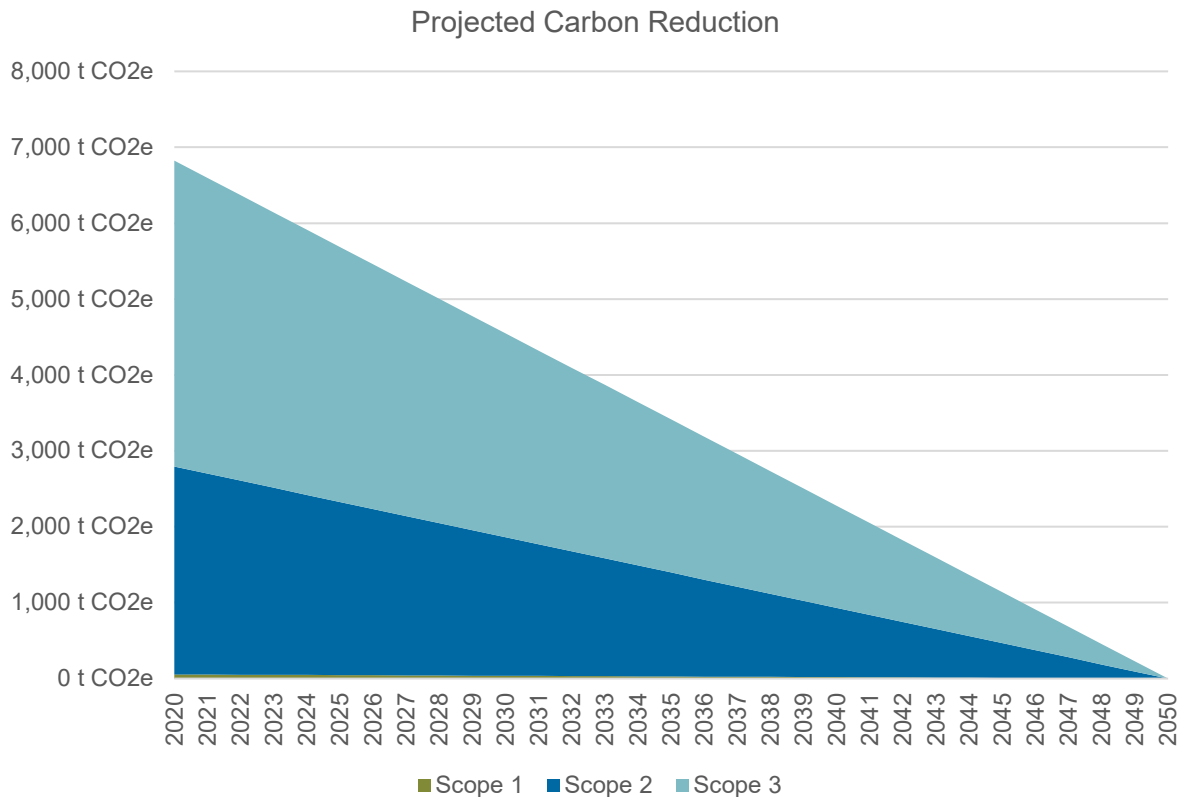
Reporting Year: 2020	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	55 tCO ₂ e
Scope 2	2,738 tCO ₂ e
Scope 3 (Included Sources)	4,031 tCO ₂ e The following categories are included in our Scope 3 emission figures: Category 4 - Upstream transportation and distribution Category 5 - Waste generated in operations Category 6 - Business travel Category 7 - Employee commuting Category Category 9 - Downstream transportation and distribution
Total Emissions	6,824 tCO₂e

4. Emissions Reduction Targets

In order to continue reducing emissions associated with our operations, the Corporate Group has adopted the following targets:

- Maintain carbon neutral operations annually, starting in 2020, for Scope 1, Scope 2 and Scope 3 (Category 6 – Business Travel) GHG emissions
- Source renewable energy for 100% of our global power needs annually, starting in 2020
- Reduce Scope 1 and Scope 2 (location based) GHG emissions by 40% by 2030 vs. a 2017 baseline

Projected progress against these targets for J.P. MORGAN SECURITIES PLC can be seen in the graph below:



5. Carbon Reduction Projects

Completed Carbon Reduction Initiatives










The following environmental management measures and projects have been completed or implemented by the Corporate Group. The carbon emission reduction achieved by these schemes will be measured within the next annual report of J.P. MORGAN SECURITIES PLC. The measures will be in effect when performing the contract.

- An ongoing programme to replace older conventional lighting with new longer-lasting LED lights. Energy saving LED lighting requires less maintenance and uses less electricity than other conventional bulbs.
- Installing smart controls to achieve more efficient energy usage
- Continued monitoring of occupation levels within U.K. buildings and adoption of organisation controls to reduce / cease operation of unnecessary locations
- Utilizing air-conditioning demand controls at low occupancy buildings
- Installing power save technologies on vending machines and coffee machines for floors not in use due to COVID-19

In the future we hope to implement further measures such as:

- Enhancing building management systems using artificial intelligence
- Procuring low-carbon fuels (sustainable aviation fuel)
- Transitioning our entire owned fleet of vehicles to electric vehicles
- Expanding deployment of on-site renewable energy, where feasible
- Executing additional long-term agreements to purchase renewable energy

In addition, the Corporate Group has developed the following targets to drive progress on operational sustainability:

 Maintain carbon neutral operations annually, starting in 2020	 Source renewable energy for 100% of our global power needs annually, starting in 2020	 Reduce Scope 1 and Scope 2 greenhouse gas emissions by 40% by 2030 vs. a 2017 baseline
 Satisfy at least 70% of our renewable energy goal with on-site renewable energy and off-site long-term renewable energy contracts by 2025	 Transition our entire owned fleet of vehicles to electric vehicles by 2025	 Reduce global water consumption by 20% by 2030 vs. a 2017 baseline
 Reduce office paper use by 90% by 2025 vs. a 2017 baseline	 Purchase 100% of our paper from certified sources by the end of 2021	 Divert 100% of e-waste from landfills

The Corporate Group's strategy to achieve — and maintain — carbon neutral operations is focused on the following:

- **Improving efficiency.** Reducing the amount of energy we use is our first priority; we have undertaken a range of energy efficiency measures across our operations and plan to implement additional improvements in the coming years.
- **Sourcing renewables.** Next, we are focused on installing on-site renewable energy systems at JPMorgan Chase properties and executing long-term renewable energy

procurement agreements (e.g., Power Purchase Agreements and green power supply contracts).

- **Purchasing Energy Attribute Certificates (EACs) and carbon offsets.** Finally, for the remainder of our direct and indirect emissions, we are purchasing applicable EACs (e.g., Green-E certified Renewable Energy Certificates ('RECs'), International-RECs) and verified carbon offsets.

6. 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

This Carbon Reduction Plan has been approved on behalf of the board of directors of J.P. MORGAN SECURITIES PLC and signed by Anna Marie Dunn, director.

Signed on behalf of the Supplier:



Date: 27 September 2021

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>