

JUNE 2024

# PANTHEON INTERNATIONAL PLC SUSTAINABILITY REPORT 2023

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# CONTENTS PAGE

## 1. Introduction

- About PIP
- Letter from the Chair of PIP's Board
- Letter from Pantheon's Global Head of Sustainability

## 2. Governance

## 3. Sustainability Integration

- Sustainability Ethos and Approach
- Sustainability Integration Across the Investment Lifecycle
- Climate Scenario Analysis

## 4. Sustainability in Action

- Investing in the Low-Carbon Economy
- Driving the Green Transition
- Extracting Value from Food Waste
- Taking 'Action' for Sustainability

## 5. PIP Product-Level TCFD Report

- Introduction
- Product Summary
- Metrics
- Product-Level Scenario Analysis
- Deviations from the Entity-Level Report



# INTRODUCTION

## About PIP

Pantheon International Plc (the 'Company' or 'PIP') is a FTSE 250 investment trust that provides investors with liquid access to a global portfolio of private companies managed by leading private equity managers. Through its flexible investment approach, PIP focuses on high-quality, profitable businesses in resilient sectors that can weather a range of macroeconomic environments. PIP is one of the longest-established private equity companies listed on the London Stock Exchange, and its NAV has consistently outperformed its public market benchmarks across different economic cycles.

The trust is actively managed by Pantheon Ventures (the 'Manager' or 'Pantheon'), one of the leading private markets investment managers globally. Over more than 40 years, Pantheon has built up an extensive network of relationships with private equity managers across the world. This network of relationships with private equity managers allows PIP to co-invest directly in exciting private companies, participate in attractive single-asset secondary deals and invest in hard-to-access, often oversubscribed funds.

Over the past few years, PIP has focused on investing directly in carefully selected private companies, rather than accessing them through funds alone, and today, over half of the portfolio (by value) is invested directly

into companies. In our view, PIP's move towards a larger proportion of direct company investments provides Pantheon with greater visibility over sustainability risks and opportunities and enables Pantheon to undertake due diligence on a range of sustainability factors on individual companies before investing.

Pantheon integrates sustainability considerations throughout the investment process by taking into account a range of environmental, social or governance issues which could cause a material positive or negative impact on the financial value of an investment. Sustainability factors are incorporated in Pantheon's pre- and post-investment processes and play a role in promoting sustainability standards and diversity and inclusion in private equity.

PIP's Sustainability and Product Report is published by Pantheon in line with the requirements of the FCA's Environmental, Social and Governance ("ESG") Sourcebook, which requires Pantheon to make specific climate-related disclosures publicly available based on the recommendations of the Task Force on Climate-Related Financial Disclosures ("TCFD").



## Letter from the Chair of PIP's Board

I am pleased to share this inaugural sustainability report for PIP, which continues to build on our core values of openness and transparency. The Board of PIP believes that a focus on sustainability risks and opportunities is an important tool for risk mitigation and can lead to value creation across the investment portfolio.

We believe the way in which companies conduct their business, along with their impact on the environment and the communities in which they operate, is in the spotlight like never before. PIP's manager, Pantheon, has incorporated assessments of sustainability risks and opportunities into its investment process and continues to develop its monitoring and due diligence capabilities in this area, not only in its direct company investments, but also through the private equity managers that it backs.

These recent enhancements include the introduction of a new sustainability approach called TIES (Transparency, Integration, Engagement and Solutions), the launch of proprietary Sustainability Scorecards and the continued use of RepRisk in screening, due diligence and pre- and post-monitoring processes to ensure extensive coverage of sustainability factors within PIP's portfolio. Furthermore, a number of portfolio investments have been made based in part on the growth opportunities enabled by the sustainability characteristics of the specific investments.

The PIP Board supports the enhancements that Pantheon has made to its sustainability approach. PIP Director, Dame Susan Owen DCB has been nominated as board lead to spearhead liaison with Pantheon on sustainability issues although they remain the responsibility of the Board as a whole.



**John Singer CBE**  
Chair of PIP

## Letter from Pantheon's Global Head of Sustainability

Embedding material sustainability considerations throughout Pantheon's processes and procedures supports our wider objective to manage risks and create value for our clients, such as PIP.

As the sustainability integration landscape has changed and matured across our industry, Pantheon has continued to innovate, building upon our policies, processes and practices across our teams and strategies, including:

**1. Formalisation of the Pantheon TIES framework:**

A new framework, introduced in 2023, that sets out our enhanced, comprehensive and cohesive approach to sustainability through processes and procedures that support Transparency, Integration, Engagement and Solutions.

**2. Introducing Sustainability Scorecards:**

Introduced in 2023 to provide clarity and transparency on material sustainability maturity across fund managers and for new investments, as well as to support effective GP (General Partners) benchmarking and engagement and improved investor reporting.

**Publishing the Industry's First Private Markets**

**Sustainability Index (PMSI):** The [PMSI](#), published in December 2023, publicly available on Pantheon's website, provides an overview of sustainability maturity across private markets based on the ratings of approximately 200 Pantheon General Partners ('GPs' or 'managers'), with the aim of moving beyond data collection to

creating opportunities for dialogue and encouraging the implementation of best practice. In 2023, this included 107 of PIP's underlying GPs, representing 71% of NAV as at 31 December 2023. We continue to expand the scope of our GP engagement efforts.

The PIP Board is also engaged on the topic of sustainability. We have commenced an annual sustainability training session for the PIP Directors, and they receive periodic updates on Pantheon's sustainability strategy and progress towards our goals.

Effectively analysing and monitoring all investment opportunities from a sustainability perspective on behalf of PIP remains one of our priorities as we strive to exceed our clients' expectations. This 2023 Sustainability Report issued by Pantheon on behalf of PIP showcases our achievements over the past year and how they have benefited PIP and its portfolio.



**Eimear Palmer**  
Partner, Global Head of Sustainability and Chair of the Pantheon Sustainability Committee

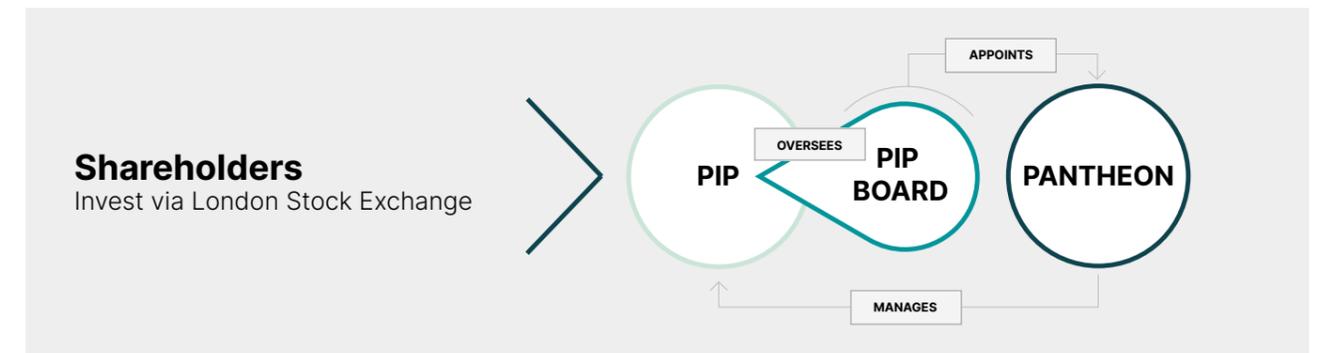


# GOVERNANCE

PIP – and its relationship with Pantheon – is overseen by an independent Board of Directors who come from a range of backgrounds such as private equity, media and marketing, corporate finance, government, macroeconomics and accountancy.

Achieving and maintaining Board diversity is a priority for PIP's Directors.

PIP BOARD OF DIRECTORS			
<b>John Singer CBE</b> Chair	<b>Mary Ann Sieghart</b> Senior Independent Director	<b>David Melvin</b> Audit Committee Chair	<b>John Burgess</b> Board Member
<b>Dame Susan Owen DCB</b> Board Member	<b>Zoe Clements</b> Board Member	<b>Rahul Welde</b> Board Member	



The Board has appointed several Committees, as set out below, to which certain Board functions have been delegated.

- Audit Committee:** The Audit Committee has a number of primary responsibilities. Among other matters, the Committee is responsible for reviewing the Half-Yearly Report, the year-end valuation of PIP's investments, approving the Company's Annual Report and Accounts, reviewing the internal control environment of the Company and monitoring adherence to best practice corporate governance.
- Nomination Committee:** The role of the Nomination Committee is to undertake the formal process of reviewing the balance, effectiveness and diversity of the Board and to consider succession planning, identifying the skills and expertise needed to meet the future challenges and opportunities facing PIP and those individuals who might best provide them.
- Management Engagement Committee:** Among other duties, the Committee carries out an annual review of the Investment Manager's performance and the terms of the Investment Management Agreement, and reviews the services provided by the Company's other service providers to ensure that they are in the interests of shareholders as a whole.

Each of these Committees has formal written terms of reference that clearly define their responsibilities, and these can be inspected at the registered office of PIP and viewed on the Company's [website](#).

**Sustainability Oversight and Implementation:** The Directors of PIP have oversight of sustainability matters within PIP's portfolio and fully support Pantheon's longstanding commitment in this area. Pantheon is responsible for implementing its group-wide [Sustainability Policy](#), including within PIP's investment process and portfolio, to ensure that sustainability risks and opportunities are appropriately integrated into investment decision-making throughout the lifecycle of PIP's investments. The policy is reviewed and updated by Pantheon's Sustainability Committee on a periodic basis, and the objective is to complete this at least annually.

PIP's newly appointed Sustainability Lead, Dame Susan Owen DCB, is responsible for monitoring and reviewing Pantheon's sustainability integration approach. She will also ensure that the Board discusses Pantheon's overall approach to sustainability and climate-related considerations and is informed at least annually on material sustainability and climate risks that might impact PIP's portfolio.

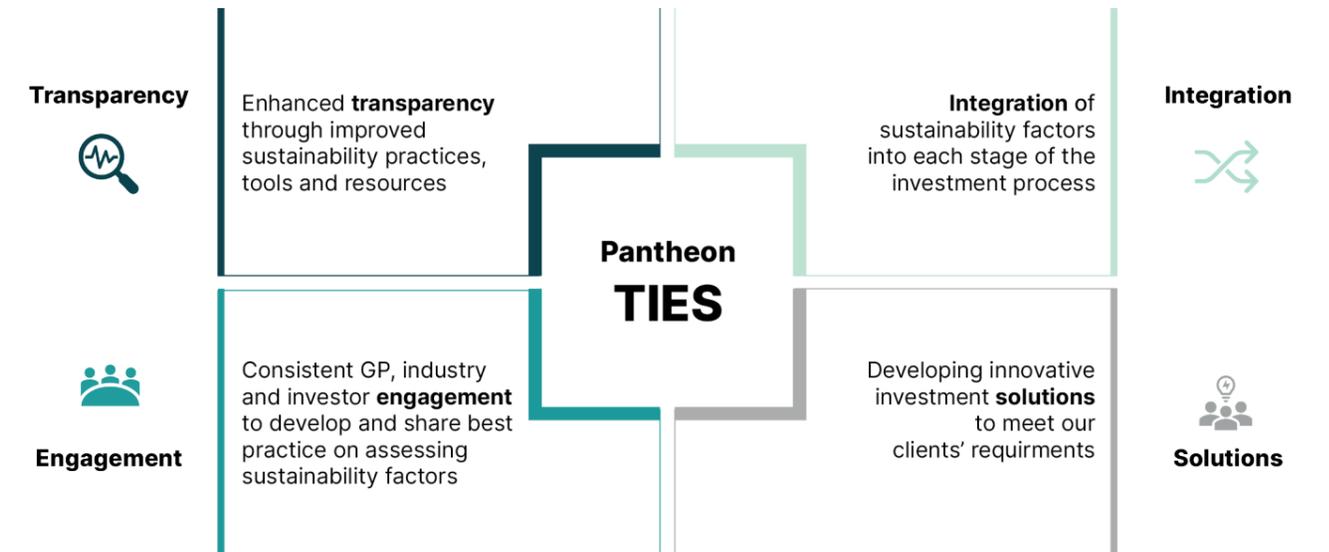


# SUSTAINABILITY INTEGRATION

## Sustainability Ethos and Approach

The Board of PIP and Pantheon, the Investment Manager, are aligned in the belief that a focus on sustainability risks and opportunities is an important tool for risk mitigation and can lead to value creation across the investment

portfolio. Pantheon's sustainability ethos and approach are encapsulated in its enhanced sustainability factors framework, 'TIES'.



## Sustainability Integration Across the Investment Lifecycle

At PIP, we believe that the private equity industry is at a point where demonstrating a robust approach to sustainability is often imperative for our investors and other stakeholders. Accordingly, on behalf of PIP, Pantheon addresses and assesses GP and

portfolio company-level sustainability-related risks and opportunities from screening and due diligence to monitoring, engagement and reporting, in accordance with Pantheon's [Sustainability Policy](#).



Screening	Due diligence	Monitoring/engagement	Reporting
<p><b>Sustainability screening process applied to all investment opportunities</b></p>	<p><b>Sustainability scorecard used to assess:</b></p> <ol style="list-style-type: none"> <li>Private equity managers</li> <li>Private equity funds</li> <li>Single-company deals</li> <li>Multi-company deals</li> </ol>	<p><b>Monitoring:</b></p> <ol style="list-style-type: none"> <li>Private equity data collection</li> <li>Portfolio company data collection</li> </ol> <p><b>Engagement:</b></p> <ol style="list-style-type: none"> <li>Private equity managers: targeted engagement based on individual scorecards</li> <li>Industry: advocate for sustainability best practice through industry trade bodies</li> </ol>	<p><b>Focusing efforts on standardised sustainability reporting templates to align with:</b></p> <ol style="list-style-type: none"> <li>Task Force on Climate-related Financial Disclosure requirements</li> <li>ESG Data Convergence Initiative (EDCI)</li> <li>EU Sustainable Finance Disclosure Regulation (SFDR)</li> </ol>
<p><b>In practice</b> Integrated into sustainability due diligence scorecard</p>	<p><b>In practice</b> Sustainability due diligence scorecard output included in investment committee memos</p>	<p><b>In practice</b> Enhancing sustainability data collection systems</p>	

Pantheon leverages a combination of scorecards, depending on the transaction type, for both pre-investment evaluation and post-investment monitoring, engagement and reporting. An investment’s sustainability profile is one of a number of factors that Pantheon

considers when evaluating managers and investments. The table below outlines our typical approach by type of transaction, which is subject to change depending on the specific circumstances of each investment opportunity and as Pantheon continues to enhance its approach.

	Primary	Co-investment	Secondary	
			GP-led	LP-led <sup>1</sup>
<b>Pre-investment - Due diligence sustainability scorecards</b>				
<b>GP</b>	✓	✓	✓	
<b>Fund</b>	✓			
<b>Single-asset</b>		✓	✓	✓
<b>Multi-asset</b>			✓	✓
<b>Post-investment</b>				
<b>Incident monitoring</b>	✓	✓	✓	✓
<b>GP survey<sup>2</sup></b>	✓	✓	✓	
<b>Portfolio company data collection<sup>3</sup></b>	✓	✓	✓	

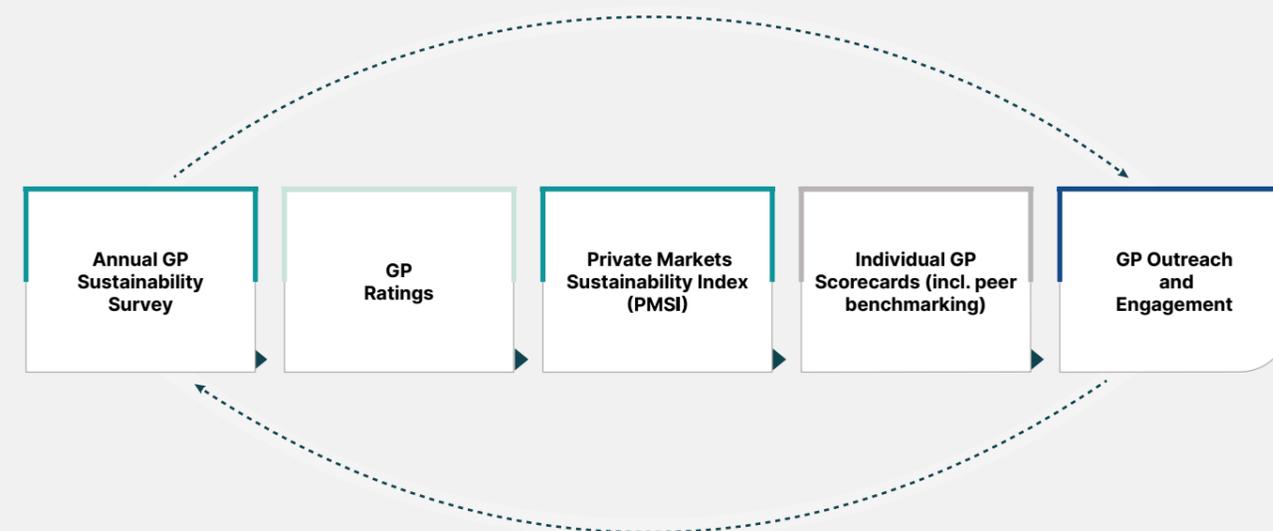
<sup>1</sup> LP: Limited Partner.

<sup>2</sup> Pantheon aims to send the annual GP survey to all GPs on Pantheon's buy list (in the case of primaries) and major underlying GPs (in the case of co-investments and secondaries).

<sup>3</sup> Portfolio company data collection is supported by an external provider.

Pantheon also uses RepRisk, a third-party news information service, as part of its screening, due diligence and monitoring processes to ensure extensive coverage of any sustainability issues within PIP’s portfolio.

Post-investment, Pantheon conducts an annual Sustainability Survey of its GPs, which includes PIP’s managers, to populate the scorecards and monitor the GPs’ sustainability practices.



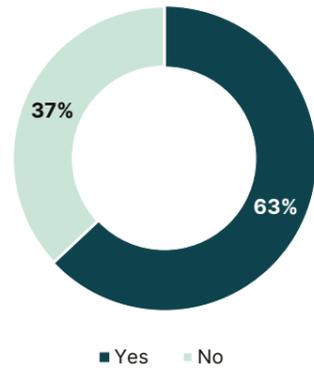
The survey covers a range of topics, including how our managers measure and report on sustainability, their approach to climate change, including climate-related commitments and targets, their integration of Diversity, Equity & Inclusion (DEI) and how consideration of

biodiversity is addressed in their investment decisions. Pantheon analyses the annual Sustainability Survey responses and individual GP ratings to produce the Private Markets Sustainability Index ('PMSI').

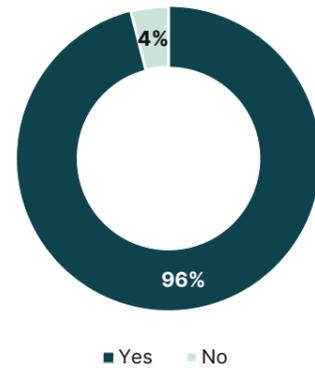
### PIP's private equity managers continue to make good progress towards the adoption of sustainability principles

Pantheon recently completed its annual survey of the private equity managers in PIP's primary portfolio. Some of the responses are shown below<sup>1</sup>.

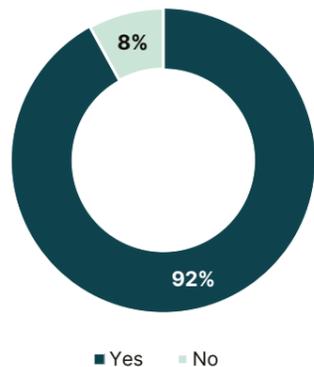
Are you a signatory to the United Nations Principles for Responsible Investment ("UNPRI")?



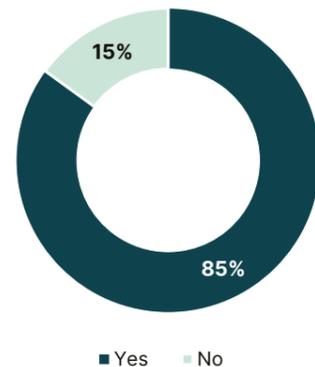
Do you have a current ESG or sustainability policy?



Do you have a formal approach to integrating sustainability factors within the investment process?



Do you engage with portfolio companies on climate-related matters?



Each manager is provided with an individual GP sustainability maturity rating, along with Pantheon's peer benchmarking relative to other GPs in the same asset class and geography. These ratings provide Pantheon with a database of sustainability maturity by GP and an engagement tool to encourage GPs to improve their practices. Pantheon continues to engage with GPs on climate-related matters, particularly on supporting portfolio companies to assess risks, make climate commitments and set decarbonisation targets.

Pantheon understands that data collection can be difficult for our GPs, given that small- and medium-sized businesses often have little in-house sustainability expertise or systems to collect, measure and analyse sustainability data. Recognising the challenges that our GPs face across multiple jurisdictions, Pantheon supports efforts to standardise sustainability data collection and improve transparency of sustainability performance across the industry. Pantheon is a signatory to the ESG Data Convergence Initiative ('EDCI'), a global initiative focused on collating performance-based, comparable sustainability metrics.

<sup>1</sup> Source: Pantheon's 2023 annual sustainability survey of its underlying private equity managers. The results are based on a 76% response rate from the primary private equity managers in PIP's portfolio.

# 60%

of PIP's primary private equity managers surveyed have indicated that they would be prepared to disclose portfolio company information using the EDCI template<sup>1</sup>.

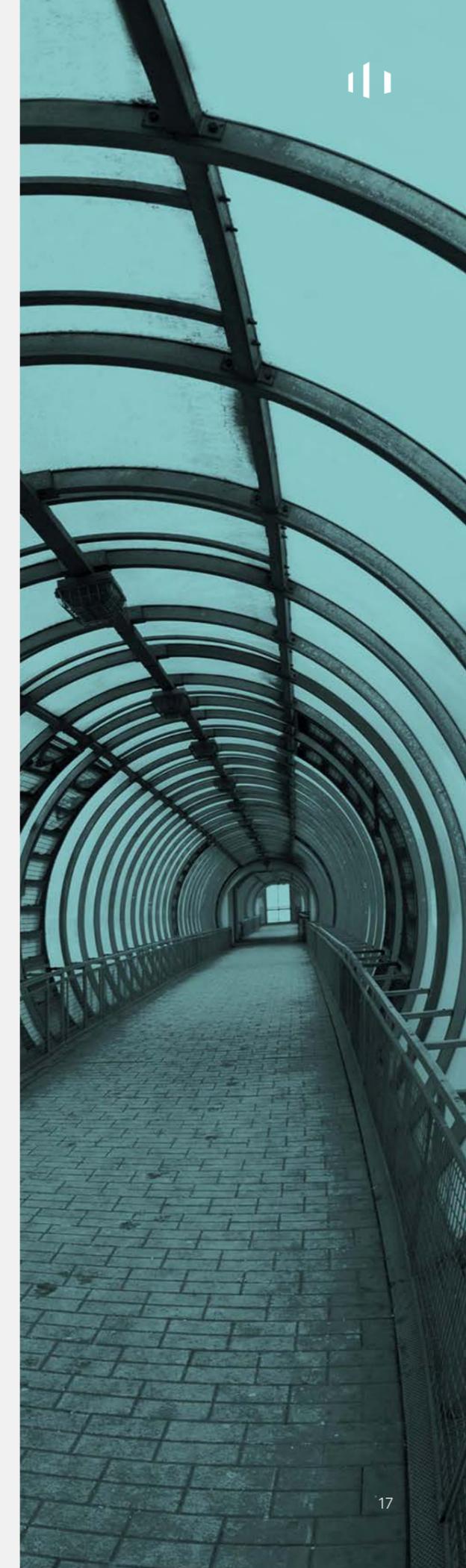
We expect data availability to increase over time given that industry support for this initiative continues to grow.

## Climate Scenario Analysis

In addition to integrating climate change analysis into its due diligence processes, Pantheon has continued to refine its approach to climate risk analysis with respect to the current PIP portfolio. Pantheon conducted its first climate change risk analysis for its Infrastructure portfolio in 2022. This year, a climate scenario analysis tool was developed to support Pantheon in undertaking a high-level initial analysis of the potential impacts of the climate transition across all its investments, providing sector and region analysis that serves as a tool for identifying potential risks and opportunities within PIP's portfolio.

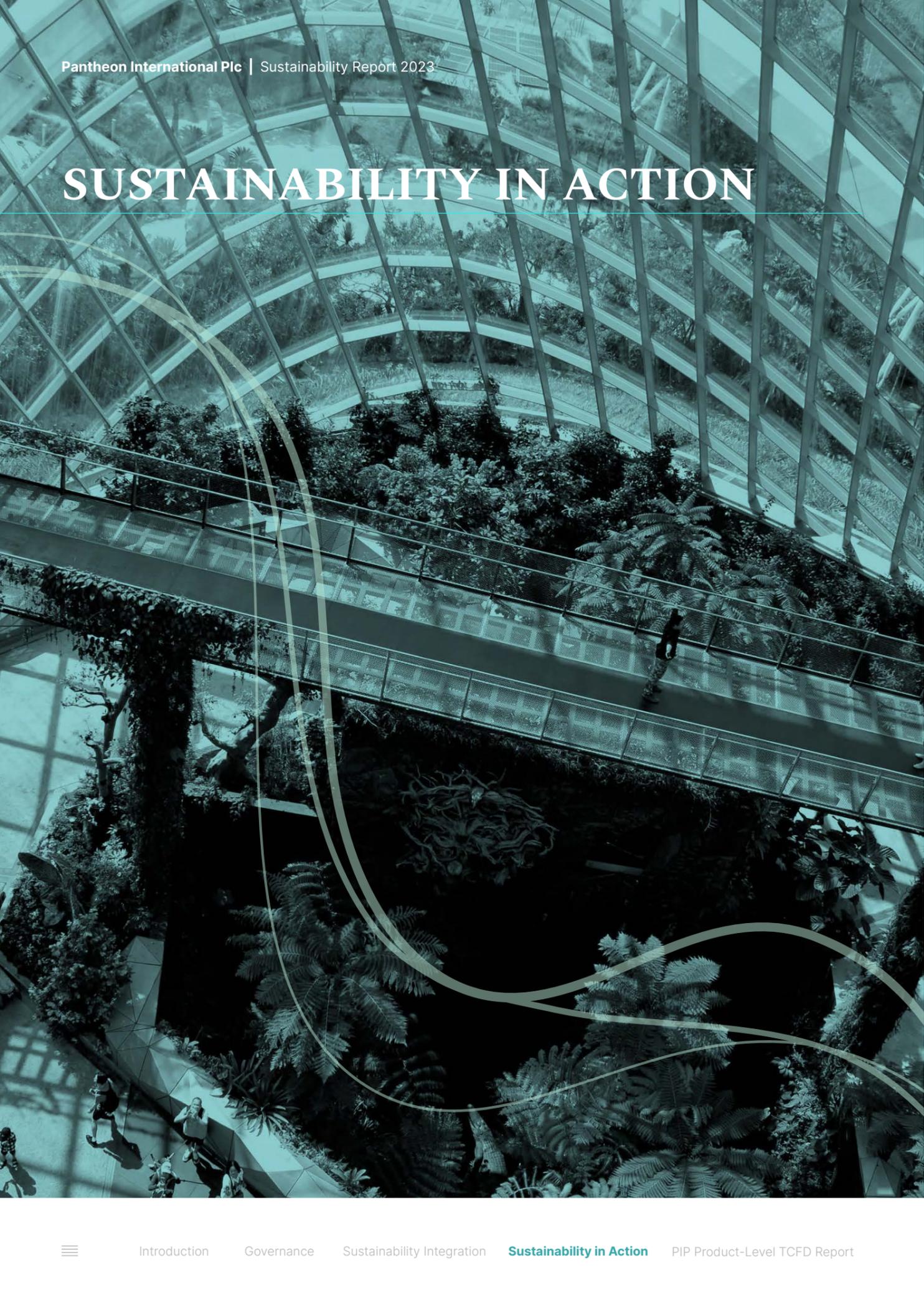
The climate scenario analysis tool considers physical and transition climate-related risks. The tool evaluates risks under 2-degree orderly and disorderly transitions and a 4-degree hot-house world scenario. Assets receive a 'RAG' (Red, Amber, Green) rating from 1-9, with physical risks always being downsides and transition risks potentially offering opportunities or downsides, depending on sector and regional performance. Physical risks tend to be higher in the 4-degree scenario, while transition risks tend to be higher in the 2-degree scenarios.

For a detailed description of our climate scenario analysis tool and scenario analysis results for the PIP portfolio, please refer to the PIP Product-Level TCFD section at the end of this report.





# SUSTAINABILITY IN ACTION



As discussed in the Sustainability Integration section of this report, Pantheon considers the sustainability profile of potential GP, fund and portfolio company investments and continues to monitor their progress throughout the post-investment period. PIP is proud to partner with many GPs with sustainability integration practices, along with several companies who, we believe, demonstrate strong sustainability characteristics for their sector. In this section, we have highlighted several of PIP's

portfolio companies and partner GPs who we believe have advanced sustainability programmes and initiatives. Other PIP investments may have weaker sustainability credentials and less mature sustainability programmes. Whilst a number of the companies in PIP's portfolio have set net zero targets, this is not the case for all PIP investments. For details of GHG emissions across the portfolio as a whole, please see the TCFD report at the end of this report.

## Investing in the Low-Carbon Economy

Ambienta is a European sustainability-focused asset manager, investing across private equity, public markets and private credit. Operating out of Milan, London, Paris and Munich, Ambienta manages over €3.0bn in assets, with a focus on investing in private and public companies driven by environmental megatrends and whose products or services aim to improve resource efficiency or pollution control. In private equity, Ambienta has completed 70

investments to date, consistently investing in niche leading companies underpinned by sustainability megatrends. Ambienta focuses on identifying European mid-cap environmental champions and scaling these companies globally by improving strategic vision, business practices via its proprietary 'ESG in Action' programme as well as driving growth through M&A.

**An industry pioneer, Ambienta was one of the first to attain B-Corp status in 2019. In 2020, Ambienta became an Institutional Investors Group on Climate Change (IIGCC) member and in 2023 committed to the Science-Based Targets initiative (SBTi).**

PIP has backed Ambienta since 2016 when it co-invested alongside Ambienta in SF Filter, a leading distributor of mobile and industrial filters for after-market applications. SF Filter's filtration technology contributes to a cleaner environment by reducing energy consumption and the emission of pollutants. In 2022, PIP committed to Ambienta IV, which has completed four investments as at 30 June 2024, including Previero, a global leading turnkey solution provider in plastic recycling.

Ambienta's approach to investing in businesses driven by sustainability has been widely recognised in industry, with the investment manager winning a number of awards.



**Ambienta's approach to investing in businesses driven by sustainability has been widely recognised in industry, with the investment manager winning a number of awards.**



## Driving the Green Transition

**Founded in 2003, Altor is a mid-market private equity firm based in Europe that seeks to scale and optimise companies through fundamental business improvements and earnings growth.**

The consideration of sustainability is one of many factors that form part of Altor's investment approach. Beyond mitigating sustainability risks as part of its investment process, Altor has implemented a framework of sustainability performance monitoring for its portfolio companies. It is a signatory to the Science-Based Targets initiative (SBTi) and it is supporting its portfolio companies to develop science-based targets and implement decarbonisation pathways. Altor's ambition is to make every Altor-backed company a sustainability leader in its respective industry.

PIP has backed Altor since 2003 and, in March 2024, made a commitment to Altor's ACT I, which is a fund focused on investment opportunities that have a specific green transition or industrial decarbonisation theme. In Europe, there is a significant and growing push to decarbonise supply chains in order to meet the European Union's target to reduce net greenhouse gas emissions by at least 55% by 2030, compared to 1990 levels. As a result, Altor believes that many businesses are seeking to secure



**Altor has implemented a framework of sustainability performance monitoring for its portfolio companies. Its ambition is to make every Altor-backed company a sustainability leader.**

compliant, more sustainable supply chains to achieve their own targets, and this push is leading to an increase in businesses that can help to deliver sustainable supply chains at significant scale within the next 5–10 years. Altor's ACT I aims to primarily invest in companies across a range of sectors where the green transition is central to their business models and will include businesses that either have existing green transition value chains or businesses that are developing newer but proven industrial processes to directly deliver green end-solutions.

We understand that Altor has identified a long list of attractive targets within a range of investment themes.

## Extracting Value from Food Waste

**In 2022, PIP co-invested in Nutrition 101, LLC ('Nutrition 101') alongside Altamont Capital Partners, a leading US mid-market buyout manager that focuses on companies that are undergoing a strategic or operational transition and who, they believe, possess strong management.**

Nutrition 101 is a food waste and recycling company in the USA and a go-to partner for many food manufacturers seeking sustainable waste management solutions. The company aims to convert food waste cost-effectively into affordable and nutritious livestock feed, compost and green energy products. In 2022, Nutrition 101 processed more than 700 million pounds of food waste, the majority of which (c.509 million pounds) was converted into livestock feed. Approximately 120 million pounds of the remaining waste was repurposed as compost and over 70 million pounds was utilised as fertiliser.

In the private equity manager's view, the business is expected to benefit from tailwinds supporting a



**Nutrition 101, Inc aims to convert food waste cost-effectively into affordable and nutritious livestock feed, compost and green energy products and, in the private equity manager's view, is expected to benefit from the tailwinds supporting a zero-landfill loop amongst blue-chip food processors.**

zero-landfill loop as blue-chip food processors remain focused on managing their environmental footprints.

## Taking 'Action' for Sustainability

**In 2020 and subsequently in 2023, PIP invested in Action, a leading European general merchandise discount retailer operating across 12 countries, which is backed by 3i Group plc, an international investment company focusing on private equity and infrastructure. Action believes that sustainability should be accessible for all, by providing customers with good quality, sustainable products at the lowest price.**

**To achieve this, the company has set itself ambitious and measurable targets through the implementation of the Action Sustainability Programme. Initiatives delivered to date as part of this programme includes:**

- A commitment to reduce Scope 1 and 2 carbon emissions by at least 60% by the end of 2030, from a 2021 baseline. In the last two years, and while significantly growing the store and distribution network, the company has already achieved a 46% reduction as part of this target. This was delivered by procuring c.90% of electricity from renewable sources, disconnecting most stores from the gas supply, improving energy efficiency of stores, installing solar panels at seven out of thirteen distribution centres, switching to biodiesel for 150 Action trucks and piloting four new zero-emission e-trucks.
- Ambitions to reduce its emissions from the supply chain. The company has now established a full baseline for Scope 3, which represents 99% of its total carbon footprint (of which product raw materials, manufacturing and transportation represent 75% of the total).
- A focus on product circularity, working in partnership with Circle Economy, the Ellen MacArthur Foundation and Delft Technical University. The company is working end-to-end from initial product design to disposal to improve material inflow, product lifespan and ease of recyclability. In 2023, Action delivered circularity improvements of +4.85% across all product categories and launched its first ever circular product



**Action has set itself ambitious and measurable targets through the implementation of the Action Sustainability Programme.**

in the form of plastic storage baskets. These baskets are a closed-loop product, made entirely from damaged items that have been returned by customers, thereby avoiding 5,000kg of waste. The company will look to expand its range of recycled, closed-loop products in the future.

- Action has made significant progress in its goals to source more certified sustainable products. During 2023, Action sourced 100% sustainable cotton (private and white label products) and cocoa (private label products), and made significant progress towards its goal of achieving 100% sustainably sourced timber by 2024, with 95% of timber products certified as sustainable in 2023.

Action intends to build on its progress so far to ensure that it is able to meet the expectations of its cost- and eco-conscious customers.



# PIP PRODUCT-LEVEL TCFD REPORT

## Introduction

This report is published by Pantheon in line with the requirements of the FCA's Environmental, Social and Governance ("ESG") Sourcebook, which requires Pantheon to make specific climate-related disclosures publicly available based on the recommendations of the Task Force on Climate-Related Financial Disclosures ("TCFD").

Please refer to the Pantheon 2023 Sustainability Report for applicable entity-level TCFD disclosures. Where relevant, this report describes any material deviations from Pantheon, the Investment Manager, with respect to matters of governance, strategy, risk management and metrics and targets applicable to PIP.

## Product Summary

PIP is a FTSE 250 investment trust that invests in a diversified portfolio of private equity assets managed by third party managers across the world. An investment in PIP gives shareholders access to the growing private equity market, effectively making investment opportunities

in private companies available to the public. PIP trades on the London Stock Exchange under the ticker PIN and its ISI is GB00BP37WF17. As at 31 December 2023, PIP had net assets of £2.3bn.

## Metrics

The metrics below provide information on the GHG emissions of PIP's portfolio.

Category	Scope	Value	Coverage
<b>Total GHG emissions</b> tCO <sub>2</sub> e	Scope 1	92,919	94%
	Scope 2	29,182	94%
<b>Total carbon footprint</b> tCO <sub>2</sub> e/£m NAV	Scope 3	392,212	94%
	<b>Total GHG emissions</b>	514,313	94%
<b>Weighted average carbon intensity</b> tCO <sub>2</sub> e/£m revenue	<b>Total carbon footprint</b>	202	94%
	<b>WACI</b>	352	73%

**Notes:**

All emissions data are based on estimated emissions provided by a third party. Carbon intensity is shown as a weighted average by NAV. The calculation is based on latest available underlying portfolio company data, including ownership and revenue. NAV figures are latest available as at 31 December 2023.

Coverage refers to the percentage of NAV for which estimated GHG emissions have been provided by a third party. Gaps in coverage relate to: i) lack of ownership and/or recent revenue data and/or ii) lack of available estimated emissions based on the underlying portfolio companies' relevant sector and geography combination.

We will continue to work with third-party data providers and engage with our GPs in order to improve the data quality and coverage of our emissions reporting.

## Product-Level Scenario Analysis

A climate scenario analysis tool has been developed to support Pantheon in undertaking a high-level initial analysis of the potential impacts of the climate transition on its investments on behalf of PIP, providing sector and region analysis that serves as a tool for identifying potential risks and opportunities within a portfolio.

Two types of climate risks are considered:

- **Physical:** Acute risks related to direct consequences of climate change, for example, extreme weather events and environmental impacts
- **Transition:** Indirect risks of transitioning to a low-carbon economy, for example related to changes in regulation, law, technology and market practices.

The tool utilises scenario data based on three climate scenarios which we are required to report on by the FCA Sourcebook rules: 2-degree 'orderly transition', 2-degree 'disorderly transition' and 4-degree 'hot-house world'. In the 2-degree scenarios, where a low-carbon economy is achieved, physical risk exposure tends to be relatively lower, while transition risk is high due to the enforcement of carbon reduction policies. The 2-degree orderly transition represents the best-case scenario, with orderly implementation of these policies. In contrast, the 4-degree scenario reflects a business-as-usual approach toward climate change, resulting in elevated physical risks – and greater material risks over the longer term.

% of total PIP Portfolio	Opportunity/Low Risk (Risk rating 1–3)	Moderate Risk (Risk rating 4–7)	High Risk (Risk rating 8–9)
2040 – 2°C orderly	0.2%	13.4%	0.3%
2040 – 2°C disorderly	0.2%	13.5%	0.3%
2040 – 4°C hot-house	0.0%	13.9%	0.05%
2050 – 2°C orderly	0.7%	10.3%	2.9%
2050 – 2°C disorderly	0.7%	10.3%	2.9%
2050 – 4°C hot-house	0.1%	13.1%	0.7%

The results of the initial climate scenario analysis utilising the new tool indicate that PIP has low exposure to high-risk sectors, between 0–2.9% of the total NAV of PIP's portfolio, depending on the specific scenario.

This analysis results in a RAG rating, based on a 1–9 rating system, for assets across Pantheon's portfolios. Physical risk is unidirectional, consistently representing downside risk. A score of 1 (green) indicates the lowest relative potential risk, while 9 (red) signifies the highest. Transition risks can be either downside risks or upside risks (opportunities), contingent on sector and regional performance relative to others within a 2-degree scenario. Transition risk scores of 1–4 denote low potential risk or opportunities, a score of 5 indicates a neutral performance and 6 or higher indicates potential risk.

We conducted an initial climate risk assessment of PIP's underlying companies which included:

1. An initial screening of the entire portfolio against carbon-intensive sectors. The following sectors have been classified as 'carbon-intensive' in the TCFD guidance: Energy, Transportation, Materials and Buildings, and Agriculture, Food and Forest Products.
2. Utilising our new climate scenario analysis tool to assess those companies based on their subsector and geography combination to assign a climate risk rating across two time horizons and three scenarios. Please see below for the results of our analysis.

Approximately 75% of the high-risk assets are in the oil and gas sector. PIP stopped investing in energy assets in 2020 and, as at 29 February 2024, they accounted for just 2% of PIP's portfolio. We expect PIP's energy exposure to continue to decline over time as a proportion of the Company's net assets as those investments are realised.

The carbon intensive sectors to which PIP is exposed contributed 68% to PIP's carbon footprint in 2023.

We are continuing to develop and enhance our approach to scenario analysis. We have not yet conducted an analysis of the climate value at risk or the climate warming scenario with which PIP's portfolio is aligned. In our view, current climate modelling tools are at an early stage of development and do not yet provide sufficiently reliable results. In addition, company-specific data on which to conduct such analysis remains less readily available across private markets. As such, for funds like PIP, with concentrated portfolios, the results could be misleading. We will, however, continue to keep this under review and assess climate modelling tools as they develop.

## Deviations from the Entity-Level Report

The PIP Board has oversight of sustainability matters within PIP's portfolio. On behalf of PIP, Pantheon's investment managers are responsible for making decisions aligned with sound sustainability principles during pre- and post-investment processes.

Dame Susan Owen DCB, in her newly appointed capacity as Sustainability Lead, is responsible for i) monitoring and reviewing Pantheon's approach to sustainability integration for PIP, ii) ensuring that Pantheon's overall approach to sustainability and climate-related considerations is discussed by Board members and iii) ensuring that the Board is informed at least annually on material sustainability and climate risks that might impact PIP's portfolio.



## Appendix 1: Emissions Glossary and Abbreviations

Company	Unit	Description
<b>Scope 1</b>	Tonnes of CO <sub>2</sub> equivalent (tCO <sub>2</sub> e)	Direct GHG emissions that occur from sources owned or controlled by the reporting company, i.e., emissions from combustion in owned or controlled boilers, furnaces, vehicles, etc.
<b>Scope 2</b>	Tonnes of CO <sub>2</sub> equivalent (tCO <sub>2</sub> e)	Indirect GHG emissions from the generation of purchased or acquired electricity, steam, heating or cooling consumed by the reporting company. Scope 2 emissions physically occur at the facility where the electricity, steam, heating or cooling is generated.
<b>Scope 3</b>	Tonnes of CO <sub>2</sub> equivalent (tCO <sub>2</sub> e)	All other indirect GHG emissions (not included in Scope 2) that occur in the value chain of the reporting company. Scope 3 can be broken down into upstream emissions and downstream emissions. Upstream emissions include all emissions that occur in the life cycle of a material/product/service up to the point of sale by the producer, such as from the production or extraction of purchased materials. Downstream emissions include all emissions that occur as a consequence of the distribution, storage, use and end-of-life treatment of the organisation's products or services. The GHG Protocol defines 15 categories of scope 3 emissions, though not every category will be relevant to all organisations.
<b>Carbon Footprint</b>	Tonnes of CO <sub>2</sub> equivalent per million dollars invested (tCO <sub>2</sub> e/£m)	The emissions intensity of a portfolio expressed in tCO <sub>2</sub> e/£m invested.
<b>Weighted average carbon intensity (WACI)</b>	Tonnes of CO <sub>2</sub> equivalent per million dollars revenue (tCO <sub>2</sub> e/£m)	Weighted average of investee company carbon intensity by revenue, i.e. greenhouse gas emissions (tCO <sub>2</sub> e) divided by revenue of reporting company in GBP millions, where the weight reflects investment weight in the relevant portfolio.

