

Year End 2023



# Fidelity Japan Trust PLC (the Company)

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Task Force on Climate-Related Financial Disclosure

30 June 2024 Product Level Report



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# Introduction

This TCFD product report aligns with the UK regulatory requirements and with Fidelity's overarching approach as documented in the FIL Limited (The Group, or Fidelity) [TCFD Report](#) including the FIL Investment Services (UK) Limited (FISL) specific disclosures. FISL is the Alternative Investment Fund Manager (AIFM) for this Company. This report aims to provide you with more information on the emissions generated by the companies, or issuers, held by the Company together with further information about Fidelity's approach to climate matters. For a more complete understanding, this report should be read in conjunction with Fidelity's Group TCFD Report.

This Company utilises Fidelity's approach to governance, strategy and risk management and therefore does not materially deviate from Fidelity's overarching approach as documented in the Group TCFD report. As such, this Company's investing approach follows that of the wider Fidelity organisation and can be reviewed in the entity report, alongside an overview below.

## 1 Climate Metrics

Indicator	Unit	31 December 2022	31 December 2023
Scope 1 and 2 greenhouse gas emissions	tCO <sub>2e</sub>	8,514	12,227
Scope 3 greenhouse gas emissions	tCO <sub>2e</sub>	150,047	179,152
Total carbon emissions	tCO <sub>2e</sub>	158,561	191,379
Total carbon footprint	tCO <sub>2e</sub> /invested	451	469
Weighted average carbon intensity	tCO <sub>2e</sub> /revenue	703	823
Climate Warming scenario: Implied Temperature Rise Range	°C	Below 1.5 degrees	Below 1.5 degrees

### How the metrics should be interpreted

To carbon footprint any Fidelity fund, or a company or issuer held within a fund, we aim to fully align with the Partnership for Carbon Accounting Financials (PCAF) standard. To achieve this, we are using data from our primary climate data provider, Institutional Shareholder Services (ISS). To calculate the carbon footprint of a fund, we measure the emissions financed by a fund, i.e. a claim on how much of a company's, or issuer's, emitted carbon could be attributed to financing provided by the fund's investment.

We also measure what level of emissions, on average, are generated per a unit of a company's, or issuer's, revenue - this gives a number less sensitive to business performance fluctuations. All of the funds are footprinted daily on Carbon Footprint and Weighted Average Carbon Intensity - scopes 1, 2, and 3. This carbon footprinting approach will use Adjusted Enterprise Value (a measure of a company's total value, adjusted for debt) as the denominator for both equity and fixed income funds.

The table below is a guide to help understand the terms used:

Metric	Usage	Description
<b>Scope 1 Greenhouse Gas (GHG) emissions</b>	Measuring direct GHG emissions	Emissions that occur from sources owned or controlled by the reporting company (i.e. a company/issuer held by the fund), i.e., emissions from owned or controlled boilers, furnaces, vehicles, etc.
<b>Scope 2 Greenhouse Gas (GHG) emissions</b>	Measuring indirect GHG emissions	Emissions from the company/ issuer's 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. Traditionally this is calculated alongside Scope 1 at a fund level, using the proportion of total Scope 2 emissions by amount invested.
<b>Scope 3 Greenhouse Gas (GHG) emissions</b>	Measuring all other indirect GHG emissions (not included in Scope 2)	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.
<b>Total carbon emissions</b>	Measuring a fund's total carbon footprint	Absolute GHG emissions associated with a fund - aggregated company / issuer emissions as a proportion of their total based on the fund's holding. This is usually expressed in metric tonnes of CO <sub>2</sub> e (carbon dioxide equivalent).
<b>Carbon footprint calculations</b>	This is used for a variety of demands, including, client requests, regulatory disclosures, used in portfolio construction, and investment research analysis.	Carbon footprint acts as the main indicator of the company/ issuer's emissions, emitted or financed by an entity - a corporate, an investment portfolio, a government, or a project. Consequently, it enables reporting, target setting, climate action, and scenario analysis. Carbon footprint is expressed in tonnes CO <sub>2</sub> e per US\$ million in revenues.
<b>Weighted Average Carbon Intensity (WACI)</b>	Measuring a fund's exposure to carbon-intensive companies	This measures a fund's exposure to carbon-intensive companies. An investment's emissions are allocated based on its weight within the fund, i.e. the value of the investment relative to the fund's value (at the time of the calculation). A fund's exposure to carbon-intensive companies is expressed in tonnes CO <sub>2</sub> e per US\$ million in revenues
<b>Implied Temperature Rise Range</b>	The Implied Temperature Rise metric provides an indication of how companies and	A fund's Implied Temperature Rise measures, in aggregate, a fund's temperature alignment (in °C) to keeping the world's temperature rise to 2°C by 2100. Each company/issuer (invested into by the fund) is assessed for their potential emissions versus a budget allocated by sector and market share. This difference results in an estimated temperature which is then aggregated on a fund level.

## Gaps in the underlying data and how FIL is addressing these

For climate-related data, Fidelity works with multiple data providers to try and cover as much as the invested universe (of companies and issuers) as possible. Our core provider, Institutional Shareholder Services Inc. (ISS), has one of the widest coverages of emissions data available in the market, but data gaps do exist due to reasons such as: asset class (e.g. currencies) and lack of disclosure (such as for smaller companies) or challenges involving certain types of derivatives. ISS uses a detailed estimation methodology where possible, but some data gaps remain which we work alongside the data providers to try and minimise. Once raw data is provided (e.g. from ISS), there is an element of both automated and manual aggregation and mapping within Fidelity's systems. Fidelity has quality checks and review systems in place to manage the risk associated our data aggregation processes and minimise any potential gaps. Further information is available in Fidelity's Group TCFD report.

For this fund we have determined a sufficient level of data coverage for the fund's investments is available in order to provide the key metrics above.

## 2 Governance

Fidelity Japan Trust PLC, (the Investment Company) has a Board that is independent of the appointed FIL Group investment manager. In addition, FIL Investment Services (UK) Limited is appointed to provide Alternative Investment Fund Manager (AIFM) services. The Investment Company has adopted the FIL Group's climate related policies in relation to the management of this company and therefore the approaches taken to climate matters do not materially deviate from the FIL Group.

The Board of FIL Investment Services (UK) Limited (FISL) relies on FIL Group structures and committees to set the direction and the agenda to manage and oversee climate related risks and opportunities.

More detail relating to Fidelity's governance can be found in the [Group TCFD report](#).

## 3 Strategy

Fidelity is developing its suite of products and services to align to its climate goals and commitments.

The approach of the wider organisation and can be reviewed in Fidelity's Group TCFD Report.

## 4 Risk Management

The investment strategy for this Company is managed within the FIL Group and therefore risk management for this Company is aligned with FIL's wider approach, which is further explained in Fidelity's Group TCFD Report.

## 5 How climate change is likely to impact this fund

Efforts to address the emissions responsible for climate change and its physical impacts pose potential 'transitional' and 'physical' risks and opportunities for every investment type. Transitional factors may include the introduction of new policies, regulations or technologies, while physical factors might include changes to climate patterns, rising sea levels, or severe weather events.

We have provided commentary below as to how we believe this fund, based on its exposure to investment sectors\* that are likely to have a material climate change impact, might be affected by the following climate scenarios, as devised by the Network for Greening the Financial System (NGFS). It is likely that our views will evolve over time.

'**Hothouse world**' scenarios assume only currently implemented policies are preserved, current commitments are not met and emissions continue to rise, with high physical risks and severe social and economic disruption and failure to limit temperature rise.

**‘Disorderly transition’** scenarios assume climate policies are delayed or divergent, requiring sharper emissions reductions achieved at a higher cost and with increased physical risks in order to limit temperature rise to below 2 degrees Celsius on pre-industrial averages.

**‘Orderly transition’** scenarios assume climate policies are introduced early and become gradually more stringent, reaching global net zero CO2 emissions around 2050 and likely limiting global warming to below 2 degrees Celsius on pre-industrial averages.

\*Generally we have provided scenario analysis commentary where sector exposure is greater than 10%, however for funds that are very well diversified (by sector) we may provide commentary where exposure is below this level.

See table below for a breakdown of this exposure.

<b>Contributing Sectors</b>	<b>% at 31 December 2023</b>
<b>Industrials</b>	17.46
<b>Basic Materials</b>	12.12

### **Sector narratives under future climate scenarios**

As detailed in the table above the fund is exposed to the following sectors.

The information below discusses the risks and opportunities for these investment sectors under the climate scenarios listed above.

This wording is based upon the IIASA NGFS Remind model using the Scenario analysis narrative tool produced by the Climate Financial Risk Forum, available here on the Financial Conduct Authority’s site: [Climate narrative \(cgfi.ac.uk\)](https://www.cgfi.ac.uk). It is based upon the NGFS scenarios dated September 2022.

These are not forecasts. They are used to explore or highlight how future scenarios might impact investments by sector and businesses.

#### **Industrials**

Industrials includes engineering and construction, and companies that manufacture aerospace and defence products. The sector also covers transport companies – airports and airlines, railroads, marine shipping, trucking and integrated freight and logistics.

It’s known as a ‘sensitive’ industry. This means it’s affected by shifts in the economy, but not as much as some other sectors, like Real Estate or Financial

#### **Transport**

The transport sector is responsible for around one-fifth of carbon dioxide emissions (based on data from the United Nations). Its use of carbon will need to be reduced quickly to meet global climate targets.

Risks	Opportunities
<p>Money will need to be spent on improving existing transport infrastructure. The industry will have to develop and start to use low and zero-carbon solutions such as mass electric transport.</p> <p>At the moment, there aren't many economical low or zero-carbon alternatives for air and maritime transport.</p> <p>Equipment or buildings powered by fossil fuels could face greater risk from new regulations. These could affect profits, the cost of running a business, and value of equipment.</p> <p>Air, land and sea transport systems and infrastructure will be greatly affected by these risks. They could come from heat waves, flooding and rising sea levels. Storms could happen more often, and become more serious.</p>	<p>If transport companies use renewable power, they may have lower energy and fuel costs than competitors using fossil fuels.</p> <p>Consumers may become more aware of the services they use and want to change their habits. This could affect – and increase – the demand for low carbon transport, such as trains.</p>

■ **In a hothouse world** – physical risks will be more serious, and affect a wider geographical area.

Policy risk may be lower with a slower move away from fossil fuels. The cost of moving towards a lower carbon economy will also be lower.

■ **In a disorderly transition** – physical risks will increase and existing transport systems may well become less able to cope.

New laws could force businesses to quickly move away from carbon, starting in 2030. For example, a high carbon tax could cause a shock to the economy, and to the sector's profits. Companies with older equipment generating higher levels of carbon will be more at risk. This equipment is likely to fall in value, or it might need to be replaced completely.

■ **In an orderly transition** – the move away from carbon will start earlier, but be slower and easier to manage. This will give the sector more opportunities to move towards low and zero-carbon solutions. This is important given how much has been spent on developing factories and equipment, and how long they were designed to last for.

Carbon taxes may slowly start to change the way people trade around the world and this could affect demand.

## Capital goods

The sector has some intensive production processes that generate high levels of carbon emissions. It buys and sells materials around the world, so it has some quite complex supply chains.

Risks	Opportunities
<p>The sector could face policies that target a move away from carbon. These could include a carbon tax, or limits on the amount of GHGs a company can produce.</p> <p>The industry could be affected by acute weather events, such as flooding or wildfires.</p> <p>Critical parts and materials could be delayed or hard to get hold of. This could disrupt the supply chain and impact sales.</p> <p>The price of materials will push up costs and reduce profits. It could also cause delays in making goods, or mean that less can be produced.</p> <p>Damage to infrastructure could affect production and reduce profits.</p> <p>Chronic weather events, such as sea level rises and flooding could affect large industrial hubs and plants. These are often based near the sea or waterways.</p> <p>Water shortages could affect competition amongst manufacturers and suppliers.</p>	<p>There could be opportunities to replace parts with lower carbon alternatives. These might be made with recycled materials or parts that aren't made using fossil fuel energy.</p> <p>There will be opportunities to develop new products. These could be more energy efficient, or use renewable power, not fossil fuels.</p>

■ **In a hothouse world** – climate risks will be more serious and happen more often. Supply chain disruptions will be more common. The sector could cope better by finding new ways to produce their goods. They could also move their factories, or protect buildings and equipment from climate-related risks.

Companies could reduce disruption by holding more stock, but extra stock will cost them more. They may need to upgrade equipment and infrastructure to withstand extreme weather conditions.

There will be less pressure on reducing their use of carbon, so transition risk will be lower.

■ **In a disorderly transition** – physical risks will increase and existing supply chains may struggle to cope. A series of new laws could be introduced. These could force companies to move away from carbon quickly so they could end up paying more for the energy they use. A tax on carbon could also be introduced. Companies might choose to make their products using lower carbon solutions. They might even change the products they make.

A rapid move away from carbon starting in 2030 might increase production costs. Companies that have already moved towards renewable energy will be in a better position.

■ **In an orderly transition** – there will be more certainty around policy, so companies will have longer to become more efficient. They will be able to benefit from greater efficiency as changes are made across the industry.

A rising carbon tax could be an advantage for companies with more efficient processes. It will also help if they're based in countries or regions that already use cleaner energy.



## Cyclical industries

### Basic Materials

The Basic Materials sector includes companies involved in metals and mining, and those that make chemicals, fertilisers, building materials and paper products. It also includes companies that produce, supply and sell aluminium, copper, steel and precious metals.

It's a 'cyclical' industry. This means it's affected by shifts in the economy. When the economy is good, it's likely to grow. If the economy isn't performing well, it will tend to shrink.

The sector plays an important part in helping the world economy move towards net zero. Materials will be needed to protect infrastructure and communities against some of the physical risks that climate change will bring. The sectors provide materials that help other industries cope with climate change, for example, for electrification and batteries. Because of this, it's likely that demand for materials will remain high.

Risks	Opportunities
<p><b>Mining</b></p> <p>As we move to a lower carbon economy, the demand for coal is likely to fall. This could affect profits and the value of equipment could fall.</p> <p>Mining uses a lot of energy, especially when getting base and precious metals from the ground and processing them. These could be taxed and would increase the cost of production.</p> <p>Copper, iron, gold and zinc are often mined in areas where water can be hard to come by. As this gets worse, mining could become more expensive and the industry may not be able to pass these costs on to customers.</p> <p>Too much rain could cause mines to flood or make them difficult to access.</p> <p>High temperatures and periods of intense heat could make it difficult or dangerous to work. This could affect productivity.</p>	<p><b>Mining</b></p> <p>There may be an increase in demand for minerals needed to change energy use. For example, copper, lithium and nickel are used for electrification and battery storage.</p> <p>Some solutions could help the sector reduce its use of carbon. This could be by using green hydrogen to power industrial production, for example.</p>
<p><b>Materials</b></p> <p>The materials sector uses a lot of energy. Steel, glass, aluminium and ammonia production in particular.</p> <p>Chemical processes used in the production of cement generate high levels of greenhouse gases. Higher taxes in the future could increase costs to the industry.</p> <p>Changes to the climate could make it more difficult to supply materials around the world. This could affect how businesses process some materials.</p>	<p><b>Materials</b></p> <p>There could be more investment into the materials needed to make infrastructure better able to cope with physical risks, like flooding or heatwaves.</p>

■ **In a hothouse world** – extreme weather events, such as hurricanes or floods, will happen more often, and have more serious effects. All sectors may need to make changes to help them cope. They might need to invest in new or improved physical infrastructure. This could be a sea wall to prevent storm surge, or an upgrade that protects a building from flooding, storms or heatwaves.

These projects will increase the demand for building materials, especially base minerals, steel and cement. However, there's also a risk that production and processing equipment will be affected by bad weather conditions. Extreme weather like flooding and heatwaves could also affect production and supply chains, making materials harder to get hold of.

There may be less transition risk from a move towards a lower carbon economy, but there will also be fewer climate opportunities. The world will be slower to make changes that improve energy efficiency and reduce the effects of greenhouse gases.

■ **In a disorderly transition** – the risks could be highly disruptive, starting in 2030. At the moment, there aren't many low or zero-carbon alternatives available, and the ones that are available are costly. So, if a company quickly needs to reduce the amount of carbon it uses, it might have to choose an expensive way of doing it. Carbon Capture, Utilisation and Storage (CCUS), for example, is a way of capturing CO<sub>2</sub> and reusing it for other things. However, it's expensive and it might not be possible to pass on those extra costs to customers.

Different countries and regions will have different policies, so activities that use a lot of carbon will reduce at different speeds. If a company is already energy-efficient, it will be able to manage these risks better.

It will also manage better if most of its customers and competitors have the same laws.

■ **In an orderly transition** – if policies are brought in to reduce carbon, all sectors will need to start projects to help them cope with the change. The Basic Materials sector will need to spend more to meet the demand.

But policies could also bring more certainty and consistency. There could well be better planning. Money could be spent sooner on developing, testing and scaling low or zero-carbon solutions. This is a more efficient and cost-effective way of bringing down overall emissions. It could also help to reduce some of the economic effects.

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