CRR Thematic review of climate-related metrics and targets
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Registered in England number 2486368. Registered Office:
8th Floor, 125 London Wall, London EC2Y 5AS
Executive Summary

Background to this review

Our 2022 thematic review, carried out in collaboration with the Financial Conduct Authority (FCA), covered the first year of mandatory Task Force on Climate-Related Financial Disclosures (TCFD) reporting by premium listed companies. It highlighted that, whilst UK premium listed companies had made a significant effort, there was room for improvement in their TCFD disclosures, especially in relation to metrics and targets and the disclosure of the effect of climate change on their financial statements.

Climate-related metrics and targets, including ‘net zero’ plans, are seen as increasingly important by investors and other stakeholders, who expect comparable, clear information explaining company targets, the metrics to track climate risks and the plan for transitioning to a lower carbon economy.

The availability and quality of climate-related data is still evolving, and all companies are on a journey, both in assessing climate impacts on their business, and in determining how best to effectively communicate their plans to adapt and transition to a lower carbon economy. We expect this journey to continue apace as companies increase their ability to report against the TCFD framework, commence reporting under the UK Climate-Related Financial Disclosures requirements, and prepare for the FCA and UK government’s plans regarding the recently published IFRS Sustainability Disclosure Standards, also known as ISSB standards, issued by the International Sustainability Standards Board (ISSB), IFRS S1 and IFRS S2. Companies with significant EU operations will also need to consider the requirements of the EU Corporate Sustainability Reporting Directive.

This review considers the TCFD metrics and targets disclosures of twenty UK premium and standard listed companies operating in four sectors covered by TCFD sector-specific supplemental guidance included in the TCFD Implementing the Recommendations of the Task Force on Climate-Related Financial Disclosures document (the ‘TCFD Annex’). Four of the companies reported against the TCFD recommendations for the first time, with the others providing a second year of mandated TCFD reporting.

We considered four overarching questions:
• Has companies’ climate-related metrics and targets reporting improved since last year?
• Are companies adequately disclosing their plans for transition to a lower carbon economy, including interim milestones and progress?
• Are companies using consistent and comparable metrics?
• Are companies explaining how their targets have affected the financial statements?

We set out cross-sector and sector-specific observations and our expectations of companies’ future reporting. Better practice disclosures are provided throughout this report to act as a reference point to help companies continue to develop their climate-related disclosures.
Executive Summary (continued)

Has companies’ climate-related metrics and targets reporting improved since last year?

Companies’ reporting of climate-related metrics and targets has improved incrementally, with overall greater consideration of cross-sector and sector-specific metrics. However, there was a broad range of maturity in the companies we reviewed across four sectors. Due to the large volume of information to be presented, many companies are struggling to present a clear message to investors about which metrics and targets are materially important for managing climate-related risks and opportunities and their transition plans. It was not always easy to locate the most relevant disclosures from additional information presented, or to understand how companies had decided which information to present within the annual report and which to include elsewhere. We remind companies of the ‘4Cs’ of effective corporate communication: company specific; clear, concise and understandable; clutter free and relevant; and comparable.

Following the expectations we set last year, we were pleased to see increased transparency in companies’ statements of the extent of consistency with the TCFD framework, including clearer statements about data that is not yet available. For example, more companies have now assessed which Scope 3 categories are relevant to them, and explained how and when they expect to be able to measure Scope 3 emissions and include them in net zero targets. This gives investors better insight into what they can expect to see reported in the future, and the level of ambition of the company’s transition plan.

The main areas where we see room for further improvement overall are:
- the definition and reporting of company-specific metrics and targets, beyond headline ‘net zero’ statements;
- better linkage between companies’ climate-related metrics and targets and the risks and opportunities to which they relate;
- the explanation of year-on-year movements in metrics and performance against targets;
- transparency about internal carbon prices, where used by companies to incentivise emission reduction; and
- better linkage between climate-related targets reported in TCFD disclosures and ESG targets disclosed in the Directors’ Remuneration Report.

1 The ‘4Cs’ are outlined in our What Makes a Good Annual Report and Accounts publication.
### Executive Summary (continued)

<table>
<thead>
<tr>
<th>Overall observations and expectations</th>
<th>Pages</th>
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<tbody>
<tr>
<td><strong>Are companies adequately disclosing their plans for transition to a lower carbon economy, including interim milestones and progress?</strong></td>
<td></td>
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<tr>
<td>Most companies have set net zero or other climate-related targets, but the metrics used to track progress were sometimes unclear and explanations of performance were not always provided.</td>
<td>21 to 23</td>
</tr>
<tr>
<td>Similarly, most have set interim emissions targets, but it was not always clear whether these targets cover all business activities or how the company plans to meet them.</td>
<td></td>
</tr>
<tr>
<td>Better practice examples included in this report outline expected steps to meet their targets, highlighting areas of judgement and uncertainties such as reliance on technological advances, or the commercialisation of early-stage technology.</td>
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<tr>
<td>Few companies currently publish and refer to separate transition plans, although many mention aspects of a transition plan; for example, forward-looking emissions projections. We encourage companies to review the Transition Plan Taskforce (TPT) guidance and consider how best to articulate their targets and plans for transition, pending further developments from the TPT, government, and the FCA.</td>
<td></td>
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<tr>
<td>Our sector-based approach assessed the extent of comparability between companies in the same sector. Whilst we did identify some commonality, methodological differences due to company-specific adjustments made direct comparisons challenging.</td>
<td>26</td>
</tr>
<tr>
<td>We encourage the use of TCFD cross-sector and industry-specific metrics to aid comparability. Some companies helpfully provided details of the methodology applied when calculating non-standard metrics to help interested parties make inter-company comparisons.</td>
<td></td>
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</tbody>
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2 https://www.fca.org.uk/publications/newsletters/primary-market-bulletin-42
### Executive Summary (continued)

#### Overall observations and expectations

<table>
<thead>
<tr>
<th>Are companies explaining how targets have affected the financial statements?</th>
<th>It was often difficult to determine the extent to which the impact of targets on the financial statements had been considered, due to lack of company-specific disclosures. Most companies provided some explanation of how they considered climate in the financial statements, but fewer included disclosures explaining how the impact of announced climate-related targets and transition plans had been considered. Better practice examples cited the assumptions made in respect of useful economic lives and the potential impact on key asset balances. When there is a reasonable expectation that companies’ climate-related targets and transition plans could impact the financial statements, we expect companies to explain the assessments undertaken and any impacts on the financial statements.</th>
</tr>
</thead>
</table>

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**Pages:**

34 to 35
Executive Summary (continued)

<table>
<thead>
<tr>
<th>Sector-specific observations</th>
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</thead>
<tbody>
<tr>
<td><strong>Materials and Buildings</strong> (see section 3)</td>
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</table>
| All companies disclosed net zero targets, primarily covering Scope 1 and 2 emissions. Companies have made progress in assessing Scope 3 emissions, but only one company reported this data whilst the other companies disclosed plans to report in the future.  

Most companies reported a range of metrics, and increased consideration of industry-specific metrics was evident compared to last year. However, the linkage with risks and opportunities and granularity of information could be improved.  

Many of the explanations of the consideration of net zero targets and transition plans in the financial statements seemed boilerplate.  |
| **Energy** (see section 4) |
| Most companies disclosed net zero targets. All companies reported some Scope 3 emissions, but it was not always clear what these related to and whether they were included in the net zero targets.  

Most companies reported some relevant sector-specific and cross-sector metrics, but could improve the linkage with risks and opportunities. One of the smaller companies in the sample was still in the process of determining appropriate metrics and targets to report.  

The larger companies in the sample provided helpful explanations of the assessment of climate on the financial statements.  |
| **Banks** (see section 5) |
| All banks disclosed 2050 net zero targets, with interim targets for their own emissions. Financed emissions were the largest contributor to overall emissions and were reported by larger banks for some activities, but data was a significant challenge. Comparability was difficult due to company-specific methodologies.  

Banks presented data across several reports; some were better at explaining the purpose of the information, their climate strategy and summarising the key information in the annual report.  

No bank quantified a financial effect of climate change on the financial statements, and four banks explicitly stated that they did not consider the quantitative impact to be material at this time.  |
| **Asset Managers** (see section 6) |
| Most asset managers disclosed 2050 net zero targets, with the majority having some interim emissions targets in place.  

The largest contributor to overall emissions was financed emissions; all asset managers presented some financed emissions from their investment portfolios, or intended to do so in the future. Most also reported a temperature alignment metric, but comparability was difficult due to the lack of a common methodology.  

Only one company provided data regarding the potential impact of climate change on the group’s assets and income. |
Executive Summary (continued)

FRC expectations and regulatory approach for TCFD reporting and climate in the financial statements

TCFD reporting

Our initial supervisory approach for mandatory TCFD reporting, developed in collaboration with the FCA, was focused on raising awareness of the new rules and guidance and improving the quality of disclosure in this fast-evolving area. In the first year of TCFD reporting by premium listed companies, we wrote to 75 companies in respect of their TCFD disclosures. We highlighted specific areas where companies could improve their disclosures, and signposted relevant sections of our 2022 TCFD and climate change thematic report for consideration when producing future annual reports and accounts. In a small number of cases, we sought specific undertakings from companies to improve the clarity of their statement of consistency with the TCFD framework.

In the second year of listed companies’ reporting against the TCFD framework, we are more likely to enter into substantive correspondence with companies who do not meet the expectations set in both our 2022 and 2023 thematic reports, especially when climate change is significant for the company, and it does not provide the TCFD recommended disclosures that are ‘particularly expected’ by the Listing Rules. We will continue to work closely with the FCA in this respect. We will also develop our regulatory approach in respect of the new Companies Act TCFD requirements (see page 18).

Climate in the financial statements

As set out on page 7 of this report, we see considerable variation in the quality of companies’ disclosures of how climate change targets have been taken into account in the preparation of their financial statements disclosures. We also continue to see mixed practice in our routine correspondence with companies in respect of connectivity between climate-related information included in narrative reporting and financial statements disclosures. We have written to 16 companies during 2022-23, either to seek more information about how climate change has been considered in their financial statements, or to highlight areas where we believe that disclosures could be improved. We will continue with this regulatory approach.

3 For more details of our routine correspondence with companies on TCFD and climate in the financial statements, please see our forthcoming Annual Review of Corporate Reporting.
Greenwashing continues to be an area of concern to investors, regulators and other stakeholders. Scrutiny of ‘green claims’ is likely to intensify as regulatory bodies such as the FCA, the Advertising Standards Agency, and the Competition and Markets Authority consider appropriate actions to identify and address greenwashing.

We are committed to enforcing transparent disclosures of companies’ plans to address climate-related risks and opportunities. In support of this, through our reviews of company reporting, we have identified some areas that companies should consider, or avoid, when reporting on metrics and targets:

- **Consider the overall clarity and balance of reporting**, for example between climate-related risks and opportunities and ensuring that key messages are not obscured by the volume of reporting.

- **Avoid placing undue focus** on immaterial areas of their business which are considered more ‘green’ at the expense of more material business activities that may be more carbon intensive.

- **Consider whether terminology used** could imply a greater level of environmental benefit than has actually been achieved. For example, saying that carbon has been ‘removed’ rather than ‘reduced’, or that something is ‘sustainable’ or carbon ‘positive’ without explaining what that means and how it is measured.

- **Avoid using misleading presentation** or making inappropriate metric comparisons to imply a greater level of performance than actually achieved.

- **Ensure the scope and boundaries of any metrics or targets** are clear, highlighting where significant areas of the business or activities are excluded, particularly if these are the higher emitting parts of the business.

- **Explain the methodology, purpose and scope of any ‘avoided emissions’, ‘Scope 4 emissions’, or similar metrics**, ensuring that comparisons are on an appropriate basis and the relationship to the company’s emissions is explained.

- **Explain significant areas of uncertainty** that could impact the ability to meet targets, for example explaining where future plans are dependent on technological advances that have not yet been developed.

Companies may find it helpful to consider the principles of effective disclosure in our What Makes a Good Annual Report and Accounts publication, which are reflected in the above considerations, when preparing their disclosures.

We will challenge companies where we consider reporting of climate-related metrics or targets to be unclear or potentially misleading.

Under the FCA’s PMB 36, we will refer matters to the FCA which are identified as containing potentially false or misleading information, including the omission of material facts, likely to cause investor harm or which may breach other relevant FCA rules for environmental, social and governance (ESG) matters.

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Executive Summary (continued)

How to use this thematic review

Each section contains our observations on the disclosures of the companies in our sample, in the following format:

- **.represents good practice**

- **Represents an opportunity for improvement or enhancement**

- **Represents an omission of required disclosure or other issue**

We have provided several examples of better practice in our report, highlighted in grey boxes, and encourage companies to use these as reference points when preparing their own disclosures. The examples have been identified through both this thematic review and as part of our routine supervisory activities.

Highlighting aspects of reporting by a particular company should not be considered an evaluation of that company’s reporting as a whole. The examples included in this report illustrate better practice in a particular area, and should not be taken as an indication of the accuracy of the underlying information, which has not been verified by our review, the validity of the targets reported, or the quality of the company’s reporting more generally.
1. Introduction
1. Introduction

Why did we carry out this review?

In our 2022 thematic review of TCFD reporting and the disclosure of climate in the financial statements by a sample of premium listed companies we set out our expectations and identified broad themes for companies to consider in order to improve the quality of climate-related disclosures.

As explained in the FCA’s PMB 36, both we and the FCA monitor companies’ climate-related disclosures as part of our regular supervisory activities, and regularly correspond with companies in relation to TCFD disclosures and the impact of climate in the financial statements in order to improve the quality of reporting.

Our correspondence in the first year of TCFD reporting was intended to improve the quality of corporate reporting in this fast-evolving area. This meant that the majority of the FRC’s correspondence with companies in respect of TCFD disclosures was in the form of points for the company to consider when preparing its next annual report and accounts and suggestions to consider the expectations set out in our 2022 TCFD thematic report. Under this approach, we wrote to 75 companies about TCFD and climate-related disclosures.

In our correspondence we identified more areas of improvement in relation to the TCFD Metrics and Targets recommended disclosures than for any of the other three recommended disclosures (see chart). The points raised covered areas such as missing disclosures, unclear targets and metrics, a lack of explanations for significant movements in performance and unclear disclosure of progress against targets.

The reporting of companies’ net zero targets, climate-related metrics and the impacts on the financial statements continues to be an area of focus for investors and other stakeholders. For example, the Carbon Tracker report Still Flying Blind published in October 2022 highlighted that there was still a lack of disclosure of the impact of companies’ net zero targets on their financial statements.

The UK government has indicated that it will consult on the introduction of requirements for the UK’s largest companies to disclose their transition plans, including related metrics and targets, if they have them5. In addition, the Transition Plan Taskforce is preparing sector-based disclosure recommendations to respond to investor concerns about the lack of comparability between companies in the same sector.

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5 Green Finance Strategy March 2023

FRC | CRR Thematic Review of Metrics and Targets | July 2023
Given the importance of climate-related metrics and targets, net zero transition plans, and the associated impact on companies' financial statements, we focused our thematic review on assessing the extent of improvement in companies' reporting since our previous thematic review, and on identifying better practice and areas for further improvement in four key sectors.

Our thematic review sets out our expectations of companies reporting their consistency with TCFD as required by the Listing Rules, many of which are relevant to non-listed companies that are due to report climate-related financial disclosures under the Companies Act requirements. Our expectations are summarised in Appendix 2.

What did this review cover?

We considered the extent to which the companies reported against the TCFD metrics and targets recommended disclosures and relevant supplemental guidance.

We also reviewed the same companies’ financial statements to identify the extent to which the impact of any disclosed climate-related targets or transition plans on the financial statements had been considered and whether any impacts appeared to be adequately reflected. Our review of the financial statements was focused specifically on the impact of climate-related targets, and did not consider broader potential climate impacts which were covered in our last thematic review.

ESG Statement of Intent

Climate, along with wider ESG matters, continues to be an area of focus for the FRC. In 2021 we published our Statement of Intent which identified six areas of challenges in ESG reporting and outlined the actions we were planning to take across our regulatory activities. In January this year we published an update in our ESG Statement of Intent: What’s Next. The report sets out areas where there are ongoing challenges with ESG reporting, actions to address them, and our planned activities. It summarises the initiatives undertaken by the FRC in the last 18 months to assist and support our wide range of stakeholders and to drive best practice as well as signposting future publications.

The publications highlighted in the updated statement of intent are all available on our ESG website.

Corporate Governance Code Consultation

In May 2023 we launched a public consultation on our proposed revision to the Code. This limited revision aims to enhance the Code's effectiveness in promoting good corporate governance and increasing transparency across several areas. This includes reporting and evidencing the effectiveness of the risk management and internal controls framework and making revisions to reflect the responsibilities of the board and audit committee for sustainability and ESG reporting, and associated assurance in accordance with a company's audit and assurance policy.
1. Introduction (continued)

Sample selection and sector-based approach

We reviewed twenty companies across four sectors in order to consider the extent of comparability within sectors, as well as to identify wider themes and areas of better practice applicable to all companies. Findings applicable to all companies are presented in a cross-sector section (section 2), with sector-specific findings presented in the relevant sector section. We include better practice examples throughout the report and encourage companies to review these, even if they do not operate in the same sector as the example disclosure.

Overall, our sample was 25% FTSE 100, 35% FTSE 250 and 40% other listed companies. The companies were predominantly premium listed companies reporting against TCFD for the second year of mandatory reporting, but the review also includes two standard listed companies and two premium listed companies reporting for the first time.

The Materials and Buildings TCFD supplemental guidance covers companies operating in several sectors, including chemicals, metals and mining and construction materials. These companies are typically capital intensive with long life assets. The products can be energy intensive with hard to abate emissions but many will be required for the transition to a lower carbon economy. Our sample included companies involved in the manufacture and supply of materials including metals, ceramics and concrete. See section 3.

Energy is fundamental to all economies and energy companies typically have significant exposure to both physical risk, such as the impact of extreme weather on power generation or transmission infrastructure, and transition risk, such as new policy requirements. The TCFD supplemental guidance for the Energy sector covers oil and gas, coal and electrical utilities companies. Our sample considered companies across the electricity value chain, from power generation, through transmission to end-usage. See section 4.

Banks are exposed to significant climate-related risks and opportunities through their lending and other financial services, for example, through the potential impact of physical climate risk on a debt portfolio and through their key role in financing the energy transition. The climate-related risk related to their own operations is much less significant. See section 5.

Asset managers invest assets on behalf of their clients according to instructions, and need to be able to articulate how climate-related risks and opportunities are managed within their portfolios. Listed asset managers also need to explain their climate-related risks and opportunities to shareholders. Like the banks, they are significant users of their investees’ emissions reporting. See section 6.

We selected a mix of financial and non-financial sectors in order to consider companies across the economy which will have different exposures to, and impacts on, climate change, and for which the TCFD has issued sector-specific supplemental guidance.
2. Cross-sector findings
2. Cross-sector findings

Structure of findings

Our review identified several findings that were applicable across all the sectors in our review; these are outlined in this section of the report.

To minimise duplication, and aid navigation, where there is either additional detail or better practice examples provided in a sector-specific section we have highlighted this using the relevant sector icon.

- Materials and Buildings
- Energy
- Banks
- Asset Managers

We recommend users consider the examples and expectations in the cross-sector detail and then refer to the additional detail and examples in the sector-specific sections where relevant.
2. **Cross-sector findings** (continued)

**Materiality**

As climate-related reporting is still maturing, companies can find it challenging to ensure that climate-related disclosures provide an appropriate level of detail for their own business circumstances.

The TCFD guidance states that Scope 1 and 2 GHG emissions should be reported, irrespective of materiality. All other metrics are subject to materiality assessments.

Companies need to ensure that the relevant requirements of the Companies Act are met, such as the Streamlined Energy and Carbon Reporting (SECR) requirements, but should consider the appropriate level of detail to be included in the annual report.

Our Guidance on the Strategic Report states ‘Information is material if its omission or misrepresentation could reasonably be expected to influence the economic decisions shareholders take on the basis of the annual report as a whole. Only information that is material in the context of the strategic report should be included within it.

Conversely, the inclusion of immaterial information can obscure key messages and impair the understandability of information provided in the strategic report. Immateral information should be excluded from the strategic report.’

The Listing Rules (LR 9.8.6D G, LR14.3.30 G) require companies to consider whether their disclosures provide sufficient detail to enable users to assess the company’s exposure and approach to addressing climate-related issues. Companies should carry out an assessment to ascertain the appropriate level of detail to be included in their climate-related financial disclosures, taking into account factors such as:

1. The level of its exposure to climate-related risks and opportunities; and
2. The scope and objectives of its climate-related strategy, noting that these factors may relate to the nature, size and complexity of the company’s business.

In our [2022 TCFD thematic review](#) we discussed materiality and encouraged companies to disclose the basis on which they assessed the materiality of climate-related disclosures.

The most useful disclosures clearly stated the company’s climate-related metrics and targets, explained which metrics are used to measure and manage climate-related risks and opportunities, and explained which are used to assess progress against targets.

**FRC Lab report on Materiality**

As reporting becomes more complex, materiality can be a powerful tool to provide better, rather than more, information for investors. But determining what is or is not material is highly subjective and can present challenges for companies, especially on sustainability and ESG topics.

The Lab is currently undertaking a project to identify tips and best practice to help companies make effective materiality judgements. The project outputs are expected to be published in autumn 2023.
2. **Cross-sector findings** (continued)

### Location of disclosures

All companies in our sample presented their metrics and targets within the strategic report. Several also provided disclosures across other reports designed to meet the needs of stakeholders, but there were opportunities to make reporting clearer and more concise.

- Some companies used infographics to communicate complex information and provided links to other reporting.

- Most companies presented metrics both in tables and in text. However, in some cases the presentation used made it difficult to understand the relative importance of the metrics, or indeed whether some of the metrics were relevant at all.

- A few companies reported climate-related information elsewhere in the strategic report but did not refer to these in their TCFD disclosures.

- We encourage companies to consider the principles outlined in our What Makes a Good Annual Report and Accounts publication when preparing their disclosures.

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We expect companies to consider how to ensure reporting is clear and concise, using the ‘4Cs’ of effective communication when determining the location and format of disclosures, to ensure key messages are not obscured, and use specific cross references to relevant information reported elsewhere.

### UK Climate-Related Financial Disclosure (CFD) Requirements

The UK government introduced mandatory CFD requirements for certain AIM-listed and private companies and LLPs for accounting periods beginning on or after 6 April 2022.

CFD is based on TCFD, and the UK government considers that companies complying with all TCFD recommended disclosures are ‘normally likely to meet the requirements’ of CFD. However, there are some differences so companies need to consider the detailed requirements when preparing disclosures. In addition, there are differences between the Companies Act and Listing Rules requirements:

- The Listing Rules require companies to provide a statement of consistency in the annual report but have flexibility in where TCFD disclosures are provided. Under CFD the mandated disclosures must be included within the Non-Financial and Sustainability Information Statement in the Strategic Report.

- Under the Listing Rules, if a TCFD recommended disclosure is not provided then companies must state that and outline any actions being taken to enable future disclosure. CFD is mandatory but allows a company to omit certain disclosures where the directors ‘reasonably believe’ that they are not relevant and a ‘clear and reasoned explanation’ is provided.
2. Cross-sector findings (continued)

Statement of the extent of consistency with TCFD

Listing Rules 9.8.6R and 14.3.27R require companies to include in their annual financial report a statement setting out whether the company has included disclosures consistent with the TCFD Recommendations and Recommended Disclosures.

When disclosures are provided, but outside the annual report, companies must explain why, and identify precisely, where they are reported. Where recommended disclosures have not been provided, the Listing Rules require companies to explain why not, and to outline any steps it is taking, or planning to take, to facilitate disclosure within a specified timeframe.

In our review, ten of the twenty companies reviewed stated full compliance with the TCFD metrics and targets recommended disclosures and nine stated partial compliance. The main reason provided for partial compliance was in relation to data integrity and availability, primarily in respect of Scope 3 GHG emissions.

Our sample included companies reporting against the TCFD framework for the first time; as expected, the level of consistency with TCFD was lower than for other companies in the sample. In most cases the disclosures outlined the actions they were taking to enhance their consistency with the TCFD framework.

Better practice examples set out clearly the process undertaken to determine what information to include.

Some companies did not provide all the information required by the Listing Rules, for example, the actions being taken and the expected timeline to be able to provide the disclosures.

It was unclear in some cases whether the company had considered the impact of any areas of non-disclosure, including relevant supplemental guidance, in their assessment of consistency with TCFD.

Company stated level of compliance

- Fully compliant: 50%
- Partially compliant: 45%
- Not stated: 5%

We expect companies to provide a clear statement of the extent of consistency with TCFD in the annual report, including all information required by the Listing Rules.
2. Cross-sector findings (continued)

Data challenges

Companies in all sectors noted challenges in data collection, especially difficulties in relation to the identification, collection and reporting of Scope 3 GHG emissions (see page 28). There can also be challenges when data is collected from sources outside of the finance team which may be subject to different internal controls or which had not been collected previously for external reporting purposes.

We expect companies to provide clear explanations of metrics and targets reported, including where relevant, areas of data limitations, methodologies, reporting boundaries and any changes to data.

FRC Lab reports on ESG data

The first phase of the Lab project focused on the production of ESG data from a company’s perspective. The report set out the three key elements of ESG data production: motivation, method and meaning and outlined some suggested positive actions to address challenges in ESG data production and how Boards can optimise how ESG data is collected and used.

The second phase of the project was published in July 2023; this examined how investors access and collect ESG data and how they use it. The findings of the report highlighted the need for companies to understand who the audiences for their information are and target accordingly. For investors, who primarily rely on third party data providers to source data in an aggregated manner and then use company reporting for context, the report suggests to:

• Focus on ESG issues relevant to the company within the annual report.
• Use datasheets to provide additional detail.
• Ensure the data is backed up by an interconnected narrative, which is also consistent with the financial statements.

The report also provides recommendations on the clarity of location and presentation of information.

We also encourage companies to be transparent about data limitations, including explanations of estimations and areas where it is not feasible to collect data.

Some companies provided clear explanations of their reporting boundaries and data limitations, with information on intended actions to improve data completeness and quality where relevant.

Some companies provided methodologies which included definitions and data assumptions. Some also included thresholds for when they would restate metrics reported in the prior period due to changes in estimates or identified errors.

We encourage companies to explain when there have been changes to previously reported metrics, for example as a result of updated definitions or the correction of an identified error.
2. **Cross-sector findings** (continued)

### Targets and plans for transition

#### Transition plans

There is no current requirement to publish a separate transition plan; however, the TCFD recommended disclosures include forward-looking information and the Listing Rules include the supplemental guidance on Metrics, Targets and Transition plans in the list of relevant documents. This supplemental guidance outlines some characteristics of effective disclosures of transition plans and provides elements to consider across each of the four TCFD pillars. In our sample, half of the companies provided at least some of the elements suggested across each of the four TCFD pillars.

Companies have started to report interim targets, but in many cases the overall plan and any detailed steps to meet interim and longer term targets are still unclear, making it hard for users to assess the potential impacts on business strategy and the financial statements.

- Some companies have provided transition plans to explain how they are planning to meet targets and transition to a lower carbon economy.

- We encourage companies to consider the [Transition Plan Taskforce](#) guidance when preparing disclosures explaining their targets and transition plans.

- We expect companies to consider the TCFD guidance, including relevant supplemental guidance, when reporting on targets and the plans to meet them.

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**What will we achieve?**

In 2023 we will submit emission reduction targets for Scopes 1, 2 and 3 to SBTi. In 2021 we committed to achieve net zero for our Scope 1 and 2 emissions by 2040. The high-level steps we will take to deliver on this commitment are outlined below.

**Net Zero scope 1 and 2 emissions by 2040**

<table>
<thead>
<tr>
<th>Year</th>
<th>Emissions (1000s of tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020</td>
<td>80</td>
</tr>
<tr>
<td>2021</td>
<td>60</td>
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<tr>
<td>2022</td>
<td>40</td>
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<td>2023</td>
<td>20</td>
</tr>
<tr>
<td>2024</td>
<td>0</td>
</tr>
</tbody>
</table>

**2020-2025**
- Implementation of galvanizing energy efficiency measures.
- Trial alternative galvanizing burner technologies.
- Replace forklift truck gas oil with renewables.
- UK to renewable electricity.
- US start to move to renewable electricity.

**2026-2030**
- 10 galvanizing plants to alternative burner technology.
- Replace forklift truck LPG oil with renewables.
- US moved to renewable electricity.

**2031-2035**
- 5 galvanizing plants to alternative burner technology.
- Replace forklift truck LPG oil with renewables.
- Remaining businesses moved to renewable electricity.

**2036-2040**
- Remaining galvanizing plants to alternative burner technology.
- Replace diesel in commercial vehicle with renewables.

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Hill & Smith PLC, Annual Report and Accounts, 31 December 2022, p38

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2. Cross-sector findings (continued)

We have clear targets including a reduction in our carbon emissions of 32% (from a 2019 baseline) by the end of the decade. In the longer term we are committed to reaching net zero and having identified the measures required to meet our medium-term targets, we have also developed an implementation roadmap to ensure that we deliver on our commitments – The Forterra Carbon Management Plan...

...It is important to appreciate that at this stage, our decarbonisation plans beyond 2030 are not yet clearly defined and that not every initiative we pursue will ultimately be successful.

**Forterra plc, Annual Report and Accounts, 31 December 2022, p8**

<table>
<thead>
<tr>
<th><strong>GROUP</strong></th>
<th><strong>SHORT TERM</strong></th>
<th><strong>MEDIUM TERM</strong></th>
<th><strong>LONG TERM</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2023</strong></td>
<td><strong>2024</strong></td>
<td><strong>2025</strong></td>
<td><strong>2026</strong></td>
</tr>
<tr>
<td><strong>CIVIL AEROSPACE &amp; DEFENCE</strong></td>
<td>- Aiming to have proposed science-based targets validated</td>
<td>- Targeting net zero GHG emissions from operations and facilities (excluding product test emissions) by 2030</td>
<td>- Targeting new products compatible with net zero operation by 2030</td>
</tr>
<tr>
<td><strong>POWER SYSTEMS</strong></td>
<td>- Targeting proven compatibility of in-service Civil Aerospace and in-production Defence aerospace with 100% SAF by end of 2023</td>
<td>Continuous engine efficiency improvements</td>
<td>Continuous product efficiency improvements</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Product compatibility with Sustainable Aviation Fuels</td>
<td>Engine compatibility with sustainable fuels</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Develop third generation technologies such as hydrogen</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Explore novel nuclear solutions such as microreactors</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>80% of Power Systems standard engine portfolio is released for sustainable fuels</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Targeting 38% reduction in emissions from sold products by 2030, from 2019 baseline</td>
<td></td>
</tr>
</tbody>
</table>

**Rolls-Royce Holdings plc, Climate Review, 31 December 2022, p63**

*(Note that this extract has been cropped and does not provide all business areas presented)*
2. Cross-sector findings (continued)

Climate-related targets

Companies reported various targets, covering both GHG and other climate-related impacts. All but two of the companies in the sample had GHG emission reduction targets in place; however, the clarity of the target was variable. For example, in one case the interim targets covered Scope 1 and 2 emissions, but the longer term targets included Scope 3 emissions, without providing an explanation of the actions to meet the Scope 3 target. In another example it was unclear whether all businesses were included in the target.

Better practice examples provided clear explanations of the meaning of terms such as carbon neutral or net zero and the scope of any targets.

Companies also reported other relevant climate-related metrics, for example, in relation to water usage, the number of customers with SBTi-aligned targets, or the proportion of sustainable products.

In some cases the boundaries and definitions of the targets reported were unclear.

Most company targets were on an absolute basis, with fewer intensity-based targets.

Several companies referred to the Science Based Targets initiative (SBTi) in respect of their own and their customers’ or suppliers’ targets. However it was sometimes unclear whether the company had already submitted their targets for validation, or whether they were intending to do so.

We expect companies to:

Explain what ‘net zero’ or ‘carbon neutrality’ terms mean, in the context of the company, ensuring that disclosures about such commitments are not misleading.

Provide explanations of targets, including relevant information such as the time period, reporting boundaries, the emissions scopes covered and any metrics used to measure them.

Explain areas of significant challenges or uncertainties, such as new technology, required to meet targets.

Ensure that linkages between targets are explained if a number of targets need to be met in order to achieve an overall objective.
2. Cross-sector findings (continued)

Use of carbon offsets

The TCFD supplemental Guidance on Metrics, Targets and Transition Plans suggests that explaining the use of offsets helps to make targets understandable and contextualised. It also includes offsets under the suggested Metrics and Targets elements of a transition plan.

More than half of the companies in our sample referred to the potential use of carbon offsets or carbon credits to meet targets. We noted mixed practice in the type and level of disclosure provided:

- Several companies outlined their approach to targets and explained the categories and quality of offsets that would be used as part of meeting those targets.
- A few companies noted that they will continue to evaluate the benefits of offsets and may use them in the future but will focus on emissions reduction first.
- One company quantified, in percentage of emissions, the expected usage.

Providing information on the type and level of offsetting undertaken or the expected approach to offsetting, provides users with more information about a company’s transition plan.

We expect companies to explain whether carbon offsetting represents a significant part of a company’s strategy to reach net zero.

Whilst our primary focus remains on reducing the carbon emissions associated with our operations and investment, we recognise the important, yet complex role offsetting will play in the global transition to net zero. Therefore, we continue to support carbon offsetting projects. In 2022, we purchased 2,600 credits, and retired over 3,200, offsetting our scope 1, 2 and scope 3 (category 2-8) emissions. More details on our approach to offsetting can be found in our responsible business update.

Rathbones Group plc, TCFD Report, 31 December 2022, p40
2. Cross-sector findings (continued)

Updating of targets

The TCFD Guidance on Metrics, Targets, and Transition Plans states that organisations should have a clear process for reviewing climate-related targets and updating if necessary. Companies may choose to update their climate-targets for various reasons such as changes to business structure, increased data availability or updates to methodologies.

Better practice examples explained the process to periodically refresh and update targets, as well as explaining any updates or changes to date.

We expect companies to provide comparative information for all metrics alongside current reporting to enable performance against the target to be assessed. If any updates are made to targets, such as restatements or updates to baselines, these should be disclosed and explained.

Emissions recalculation process

SBTi requires that science-based targets are recalculated to reflect material changes in climate science and business context to ensure their continued relevance. SBTi stipulate that targets shall be reviewed, and if necessary, recalculated and revalidated every five years at a minimum. Our emissions recalculation process documents how and when we will restate or recalculate our data and targets. We review our GHG inventory on an annual basis and will restate our data and/or recalculate our science-based targets when required, to reflect significant changes to our company structure, methodology changes or errors. We define a significant change as one that has driven a cumulative increase or decrease in emissions in a particular Scope of greater than 10% of previously reported numbers. Where a restatement or recalculation is performed, it will be clearly described in our annual reporting.

Schroders plc, Climate Report, 31 December 2022, p60
2. Cross-sector findings (continued)

Climate-related metrics

Most companies reported Scope 1 and 2 GHG emissions, an intensity metric and energy usage, which are statutory requirements for UK-listed companies. There was a range of other climate-related metrics reported by the companies in our sample.

Metrics reported and comparability

Sector comparability beyond Scope 1 and 2 reporting was difficult in most cases due to entity-specific metric definitions and reporting boundaries.

The TCFD guidance outlines cross-sector, and some sector-specific, climate-related metrics that should be reported where material.

We encourage companies to consider peer reporting and relevant industry standard metrics in order to enhance sector comparability.

Some companies report emissions that they estimate can be avoided through the use of their products, sometimes referred to as ‘Scope 4’ or ‘avoided’ emissions. Whilst information about products’ environmental context can be useful for investors and other stakeholders, the TCFD framework does not include a definition for avoided emissions.

When companies consider avoided emissions metrics to be useful information for investors, they should clearly explain the definition and methodology applied, set out any limitations, and ensure that the relationship with the company’s emissions is clear.

![Climate-related metrics reported chart]

* Metrics identified in, or directly cross referenced from, the TCFD disclosures in the annual report.
2. Cross-sector findings (continued)

Connectivity across reporting

⚠️ For many companies, the link between the climate-related risks and opportunities identified and the metrics and targets reported was unclear.

✔️ Better practice examples clearly linked the identified risks and opportunities with the metrics used to measure them.

We expect companies to:

Report material cross-sector climate-related metrics and keep relevant standard industry metrics and peer reporting under review.

Ensure that the linkage between identified risks and opportunities and any metrics used to measure and manage these is clear, and also explain which metrics are used to track progress on net zero plans.

Consider whether additional disaggregation of metrics and targets by business line or geography would aid understandability.

Provide definitions and methodologies for company-specific metrics.

State and explain the reporting period for the metric if different to the financial statements.

Climate-related risks outlined in the TCFD section specifies which climate-related metrics are relevant and also links to strategic priorities

Actual physical risks to our supply chain

<table>
<thead>
<tr>
<th>Scenarios</th>
<th>Likelihood</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>‘Well below’ 2°C</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>‘Hothouse world’</td>
<td>4</td>
<td>3</td>
</tr>
</tbody>
</table>

How it impacts Bakkavor
Disruption and higher costs due to decline in agricultural yield, increased heat stress and drought (chronic climate impacts).

Bottlenecks, shortages and sourcing disruption from increased exposure to acute climate risks such as floods and storm events.

Related metrics and targets
Zero net deforestation, including 100% deforestation and conversion-free soy by 2025 (progress not yet quantified).

% of suppliers that are compliant with our Supplier Code of Conduct (100% in 2022, 100% in 2021).

Link to our strategy

Bakkavor Group plc, Annual Report & Accounts, 31 December 2022, p61
(Note only an extract of the disclosure is presented)
2. Cross-sector findings (continued)

Scope 3 GHG emissions reporting

Collecting data on Scope 3 emission can be particularly challenging for companies because they have rely on information outside of their direct control. Additional challenges may arise from obtaining information from third parties with less mature data collection processes, or from third parties that do not report such information routinely, for example those operating in territories where GHG reporting is not required. In particular:

- financial services companies require information from their investees and/or customers on their Scope 1, 2 and 3 emissions for their reporting of Scope 3 emissions from Investments (Category 15); and
- non-financial companies are more likely to be reporting on supply chain emissions and emissions from the use of sold products.

Some companies provided information on the level of assessments that they have undertaken in respect of Scope 3 and highlighting areas of uncertainty.

We encourage companies to continue to be transparent in their reporting of Scope 3 emissions so that users can understand the maturity of reporting and any intended future actions.

Better practice examples were clear on which categories of emissions were reported and any areas of uncertainty or data gaps.

Under TCFD, Scope 3 GHG emissions are required to be reported when appropriate\(^6\). In some cases it was unclear whether all material categories had been reported.

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6 The TCFD Annex states companies should consider whether emissions are a significant part of their overall emissions and refers to the 40% threshold in the SBTi’s paper SBTi Criteria and Recommendations, Version 4.2, April 2021, Section V, p. 10.
2. Cross-sector findings (continued)

Explanation of metric movements and performance against targets

TCFD refers to the need to provide data to allow for trend analysis. In the principles of effective disclosure, it notes that changes in disclosures, for example due to evolution of methodologies, can be expected due to the relative immaturity of climate-related disclosures; but that they should be explained.

The quality of companies’ explanations of movements in climate-related metrics compared to prior period was variable, from providing metrics without comment to providing detailed and granular explanations.

Some metrics that are not of strategic significance may be presented for the interest of particular users of the reporting, or to meet statutory reporting requirements. In some cases it may be appropriate to present such metrics without comment. However, any material movements in metrics, such as those relating to key targets or elements of strategy, should be explained.

Companies included some level of explanation of performance against targets. However, the level of commentary provided on progress against targets was variable and in some cases the quantitative information provided was insufficient to fully understand current performance of all targets.

One company summarised the targets and progress against these into a table, giving each a status which indicated whether the targets were on track or behind. However, the status did not all seem to correlate to the commentary.

Better practice examples showed the metrics used to measure progress against the targets, provided commentary on performance and explained any changes in metrics from the prior year.

One company explained that it may no longer be able to meet its previously stated net zero commitment, and explained the reasons for this and the planned next steps.

We expect companies to provide comparative data to enable trend analysis and explain material movements, particularly where performance has not met, or has exceeded, targets.
2. **Cross-sector findings** (continued)

We have restated the figures in these tables for 2021 and included WACI for 2019 to reflect our aim to use the highest quality data available. This has resulted in substantial changes relative to those reported previously. These updates are also reflected in the ‘Carbon footprint sector breakdown’ and ‘Asset class data quality breakdown’ tables on the following page. Changes in our data vendor’s methodology for estimating emissions have had a significant impact on our calculations of financed emissions. Our vendor provides data for the Scope 1, 2 and 3 emissions of our portfolio companies. Although a sizeable proportion of global companies now disclose Scope 1 and 2 emissions, few report Scope 3 emissions. Despite improving transparency and availability of emissions data, the majority of the total carbon emissions of portfolio companies still rely on estimates. Where available, we use the estimates provided by our data vendor, and we use our own methodology, which is based on PCAF principles, where not. The objective of estimation is to provide as complete and representative a picture of portfolio emissions as we believe is possible, but alongside methodology updates and data revisions, this complicates comparisons and can require historical estimates to be restated.

_Schroders plc, Climate Report, 31 December 2022, p63_

**UNDERSTANDING THE CHANGES IN OUR EQUITY EMISSIONS**

The decrease in company emissions for scope 1 and 2 (tCO₂e), has been mainly driven by a decrease of company emissions exhibited for high emitting sectors such as mining and mineral products and downstream and midstream energy, while FUMA remaining on similar levels drove a decrease for all three indicators. An increase in outstanding amount covered resulted in a decrease for WCE and WACI. Company revenues and enterprise value remained on similar levels for the majority of sectors, however large increases were seen in the software and consulting sector which led to lower ACE and WACI values.

_Rathbones Group plc, TCFD Report, 31 December 2022, p42_

**UNDERSTANDING THE CHANGES IN OUR SOVEREIGN BOND EMISSIONS**

Overall, absolute carbon emissions (ACE) in sovereign bonds have increased due to greater investment levels (40%). This is particularly driven by increased investment in UK and Australian bonds, the latter which has a high emissions intensity. The change in WCE and WACI has also seen a minor increase due to the greater inclusion of Australian bonds in the portfolio composition.
2. Cross-sector findings (continued)

Internal carbon price

The TCFD framework states that companies should disclose internal carbon prices, where relevant.

Several companies referred to internal carbon pricing, but fewer disclosed the internal carbon price used, or how it was used. One company disclosed the price on its website; however, this was not cross-referenced or referred to within the annual report.

It was not always clear how, or whether, companies had factored carbon pricing assumptions into investment decisions, or into the preparation of the financial statements.

We expect companies to provide internal carbon prices where relevant and explain how they are used by the company. Where this information is presented outside of the annual report and accounts, this should be cross-referenced.

Impact analysis

Under both scenarios, operating costs, particularly relating to carbon pricing, could increase if they are not proactively mitigated. We have therefore assessed the potential financial impact of carbon pricing relating to our current Scope 1 and Scope 2 emissions.

Carbon Pricing* Gross Risk Impact (Scope 1 & 2)

<table>
<thead>
<tr>
<th>Annual Impact by 2025</th>
<th>1.5°C</th>
<th>2.0°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average annual operating cost increase assuming no proactive carbon reduction plans are undertaken based on 2022 exit run rate emissions. Figure as at end of 2021 in brackets.</td>
<td>£4.7m (£5.1m)</td>
<td>£4.3m (£5.6m)</td>
</tr>
<tr>
<td>Based on $130 per tonne</td>
<td>Based on $120 per tonne</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Annual Impact by 2030</th>
<th>1.5°C</th>
<th>2.0°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average annual operating cost increase assuming no proactive carbon reduction plans are undertaken based on 2032 exit run rate emissions. Figure as at end of 2021 in brackets.</td>
<td>£7.4m (£9.6m)</td>
<td>£6.1m (£8.0m)</td>
</tr>
<tr>
<td>Based on $205 per tonne</td>
<td>Based on $170 per tonne</td>
<td></td>
</tr>
</tbody>
</table>

* Carbon pricing assumptions based on PwC’s estimates for advanced economies in 1.5°C and 2°C scenarios.

Hill & Smith PLC, Annual Report and Accounts, 31 December 2022, p51

Clear quantification of the potential financial impact of carbon pricing
2. Cross-sector findings (continued)

Voluntary assurance of climate-related metrics and targets

Over half the companies in our sample obtained some form of voluntary external assurance, or verification, of some of their climate-related metrics. There was variation in the type and level of assurance obtained, with many companies obtaining assurance from firms other than their financial auditors. Some companies opted for more than one type of assurance covering different aspects of their reporting.

In one case it was difficult to ascertain the assurance provider and exactly what aspects of reporting were covered.

We expect companies to explain the level and scope of any external assurance given, ensuring the terminology used to describe the assurance does not imply a higher level of assurance than has actually been obtained.

Assurance of ESG data in the UK

ESG information is typically presented in the Strategic Report, Corporate Governance Report or in other reporting (such as Sustainability Reports). It is therefore not subject to statutory audit, although the auditor is required to read all financial and non-financial information included in the ‘front half’ of the annual report (other information) and to identify whether the other information is materially inconsistent with the financial statements or the auditor’s knowledge obtained in the audit or otherwise appears to be materially misstated.

In the UK there is currently no requirement for ESG data to be assured, but entities are often keen to enhance the credibility of their reporting by voluntarily commissioning independent assurance.

In the UK, the FRC has adopted (ISAE (UK)) 3000 Assurance Engagements Other Than Audits or Reviews of Historical Financial Information which is a principles-based standard providing requirements and guidance covering both reasonable assurance and limited assurance attestation engagements. For those entities that choose to, or are required to, publish a Greenhouse Gas Statement, assurance practitioners undertake their engagement in accordance with ISAE 3410 Assurance Engagements on Greenhouse Gas Statements.

The FRC continues to work closely with the International Auditing and Assurance Standards Board (IAASB) who are currently developing global sustainability assurance standards.
2. Cross-sector findings (continued)

Directors’ remuneration

Investors have expressed particular interest in the incorporation of ESG-related factors into directors’ remuneration. Around half the companies in our sample clearly outlined the ESG-related constituent of directors’ remuneration in the TCFD disclosures and Directors’ Remuneration Report.

One company stated that it was intending to put in place ESG-related remuneration factors, but that these were confidential. We encourage companies to be more transparent about the structure of their future bonuses and awards. This allows a better understanding of the link to the company’s strategy and future priorities.

Better practice examples provided an explanation of how climate-related metrics were incorporated into remuneration structures, providing clear links to relevant disclosures within the annual report and summarising whether or not the scorecard metrics were met.

We expect companies to clearly describe climate-related targets and actual achievements against them as part of the Directors’ Remuneration Report, in a manner consistent with the TCFD disclosures.

The Remuneration Committee has agreed two strategic sustainability measures and targets each with a 12.5% weighting. Both are linked to Pod Point’s ESG strategy and our belief that travel should not damage the earth. The sustainability targets are both concerned with reducing carbon intensity per KW hour and reducing the carbon intensity of our infrastructure. They are:

1) The successful design, development and negotiation of an Energy Tariff consumer market offering – Full attainment of the goals will be the successful launch of an energy tariff which is integrated with Pod Point’s products and services and the provision of direct benefit to consumers to reduce cost, consumption and carbon intensity.

2) The signing of a ‘grid load’ management contract – Full attainment will be obtaining of a signed contract with a grid load manager to provide load management services to maximise energy use efficiency.

Pod Point Group Holdings plc, Annual report and Accounts, 31 December 2022, p95
2. Cross-sector findings (continued)

Financial statements impact of climate-related targets

In our 2022 TCFD thematic, we noted that investor groups were calling for greater connectivity between narrative reporting and climate-related assumptions and estimates in financial statements. We set an expectation that companies should consider the connectivity between TCFD disclosures and the financial statements, and to provide explanations where necessary, including addressing whether emissions reduction targets and strategies described in the narrative reporting have been appropriately reflected in the financial statements.

Since then, investors have continued to call for greater transparency about how companies’ net zero plans have been taken into account when preparing their financial statements. The IASB also re-issued in June 2023 its educational material in respect of the effects of climate-related matters on financial statements.

In this thematic report, we considered how well the companies reviewed had explained the link between their net zero targets and transition plans and their financial statements when there was a reasonable expectation that there could be a material impact on the financial statements.

Most companies mentioned the effects of climate change in their financial statements, but the disclosures were often high-level, simply noting that the company had considered climate in preparing the financial statements and that there was no impact. We have also identified this as a common issue in our routine reviews.

As set out in the sector-specific sections of this report, the financial impact of reaching net zero emissions varies from sector to sector, and the level of disclosure is also dependent on the maturity of the individual company’s transition plan.

Better practice examples linked financial statements assumptions to climate-related targets and explained the assessments that the company had undertaken and any impacts on the financial statements.

Most companies provided some information about how climate had been considered in the financial statements. However, fewer outlined the judgements and estimates applied when considering the financial statements impact of climate-related targets and transition plans, despite considerable investor interest in this. This was especially noticeable in the materials and buildings and energy sectors, where a larger impact might be expected.

In some cases it was not clear whether the impact had been considered at all, although this may have been because the companies’ transition plans were at an early stage of maturity.

We saw some apparent inconsistencies between narrative and financial statements disclosures. For example, where there were targets announced in the narrative reporting, which could be reasonably expected to have a material impact on the financial statements, and no discussion in the financial statements.

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2. Cross-sector findings (continued)

We expect companies to:

Consider the impact of climate-related targets and transition plans on the financial statements, taking into account the IASB’s educational material.

Provide an appropriate level of disclosure, including any significant judgements or assumptions that have been made in reaching their assessment, when there is a reasonable expectation that the climate-related targets and transition plans could impact the financial statements.

Impairment note states capital expenditure to meet emission reduction targets is incorporated in cash flows, explained which businesses are most impacted by carbon costs and states cash flows included in VIU assessments reflected carbon costs that are reasonably estimated to be incurred over the assessment period.

PP&E note explains climate-related considerations including assessing useful lives in the context of the decarbonisation strategy of transport and mobile equipment, and the impact of required capital expenditure on useful lives of existing PP&E.

Provisions note states climate change and policy risks have been considered, including the impact of the carbon emissions reductions targets.
3. Materials and Buildings
Section overview

The TCFD annex contains supplemental guidance for the materials and buildings non-financial group. We focused our review on the ‘construction materials’ and ‘metals and mining’ industries within this group, reviewing five companies involved in the manufacture and supply of construction and other materials including metals, cement, and ceramics.

Materials and buildings companies can have limited flexibility to adapt to the risks of climate change in the short to medium term – due to often being capital intensive, requiring high investment in fixed assets and being dependent on sources of raw and refined materials.

The production and manufacturing of these products is energy-intensive and companies within this sector often have significant emissions. Therefore, their climate-related data is fundamental in enabling their customers to report on and manage their indirect emissions.

Key findings

- All companies disclosed net zero targets. These primarily covered Scope 1 and 2 emissions, with most companies intending to set Scope 3 emission reduction targets soon.

- Most companies reported a range of metrics, including cross-industry climate-related metrics and additional industry-specific metrics, with better practice considering those most relevant to their net zero plans. There was also evidence of increased engagement with the TCFD sector-specific guidance this year, with all sampled companies indicating they had considered this.

- Only one company reported Scope 3 data against all the categories it considered relevant; the other companies have determined Scope 3 emissions to be material and disclosed plans to collate and report the data. The impact of not reporting material Scope 3 emissions was not always reflected in the statement of consistency with TCFD.

- Most companies could improve the linkage between their risks and metrics reported. We also identified instances where additional granularity of metrics may have been helpful.

- Explanations of the consideration of net zero targets and transition plans in the financial statements were mostly boilerplate. Whilst we identified some better practice, we also noted apparent inconsistencies.
3. Materials and Buildings (continued)

Clarity and understandability of reporting

All companies presented metrics and targets within their strategic report, with two also presenting information in separate sustainability reports.

There was not always a clear link between metrics reported and the climate-related risks and opportunities outlined. Metrics were often reported in a separate section to risks and opportunities, with little or no cross-referencing.

We identified instances where the risks and opportunities seemed to vary across the different products supplied by the company. However, there was no disclosure of the current product mix or anticipated future product mix, which made it difficult to understand the potential impact of these.

One company clearly explained how emissions are generated during the manufacturing process, and how this varies for different products. It clarified why the emissions from one segment are classified as Scope 1, and another as Scope 3.

We saw varying levels of linkage between the TCFD disclosures and other narrative disclosures in the annual report.

One company reported its climate-related metrics alongside other KPIs, showing an integration of climate into its strategy.

Two companies discussed climate-related risks and opportunities in their sustainability report or elsewhere in the strategic report but did not refer to these in their TCFD disclosures.

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Disaggregated emissions target by product category

<table>
<thead>
<tr>
<th>Target</th>
<th>Target year</th>
<th>Progress</th>
<th>Status</th>
<th>Narrative</th>
</tr>
</thead>
<tbody>
<tr>
<td>27.5% Group CO₂ emissions reduction vs. 2019 baseline (tonnes)</td>
<td>2030</td>
<td>-7.5%</td>
<td>✔️</td>
<td>Absolute emissions 7.5% below 2019 benchmark</td>
</tr>
<tr>
<td>32% Group emissions intensity reduction vs. 2019 baseline (kg CO₂/tonne)</td>
<td>2030</td>
<td>0.9%</td>
<td>✔️</td>
<td>Short-term increase in intensity driven by expected change in clay vs. concrete production mix</td>
</tr>
<tr>
<td>33% Clay products emissions intensity reduction vs. 2019 baseline (kg CO₂/tonne)</td>
<td>2030</td>
<td>-4.2%</td>
<td>✔️</td>
<td>Progress is on track with near-term reductions linked to commissioning of new Desford site</td>
</tr>
</tbody>
</table>

* Three of our targets have been incorporated into the Sustainability Linked Loan (SLL) following the refinancing completed in January 2023.
** Two of our targets will be applied to the 2023 Performance Share Plan (PSP) award.

Forterra plc, Annual Report and Accounts, 31 December 2022, p49

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We expect companies to:

Consider the link between the climate-related metrics, and the risks and opportunities disclosed.

Consider whether additional disaggregation of metrics and targets would aid the understandability of risks and opportunities for different business lines.

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8 TCFD guidance for non-financial companies states companies should consider disclosing their metrics by relevant jurisdiction, business line, or asset type.
3. Materials and Buildings (continued)

Net zero targets

All companies disclosed targets to reach net zero in relation to Scope 1 and 2 emissions, between 2030 and 2050. One company also disclosed a target to reduce a limited portion of its Scope 3 emissions, with most companies stating an intention to set Scope 3 emission reduction targets soon.

- All five companies clearly specified the time frames over which their emission reduction targets apply and the base year from which progress is measured.
- One company explained that whilst it is committed to net zero by 2050, its plans beyond 2030 are not yet defined (see better practice example included on page 22).

One company made a significant acquisition during the year, which will require a recalculation of its carbon reduction targets next year.

Other climate-related targets

Companies also set targets in a number of other areas, including:

- renewable energy;
- investment in greener manufacturing capacity;
- revenue generated from sustainable products;
- suppliers setting SBTis; and
- reducing waste (generated and amount sent to landfill).

One company was unable to set interim targets as it was dependent on external progress in the development of novel technology. This level of transparency helps users understand uncertainties associated with targets.

We expect companies to explain any challenges or uncertainties, including in technology, as part of their climate-related targets and transition plans.

Climate-related metrics

All companies reported at least one cross-industry climate-related metric beyond those required by SECR. One company explained that it intends to broaden its reporting in relation to these metric categories. The variety of metrics reported meant that it was often not possible to make comparisons between companies.

The sector-specific guidance notes that materials and buildings companies should:

- focus their disclosures on their research and development activity and potential impacts of carbon pricing, physical risks and opportunities. We have assessed these areas in more detail (see pages 31, 40 and 41); and
- consider providing additional industry-specific metrics and refers to the SASB ‘Climate Risk Technical Bulletin’, April 12, 2021. Two companies in our sample stated that they had reported SASB metrics, and one company intends to align its reporting next year.

We noted examples of additional industry-specific metrics, where relevant. One company disclosed both the energy intensity and wastewater per tonne of product packed, and targets to reduce these. Another company specified the number of sites in areas of water stress.

9 Examples of potential metrics include building energy intensity by area, building water intensity, percent of fresh water withdrawn in regions with high or extremely high baseline water stress, and area of buildings, plants, or properties located in designated flood hazard areas.
3. Materials and Buildings (continued)

We expect companies to:

Consider the risks and opportunities to which they are exposed and the information that is most relevant to their measurement and monitoring when determining which metrics to report.

Report material cross-sector climate-related metrics.

Metrics related to capital deployment and research and development

The TCFD guidance notes that materials and buildings companies are often capital intensive, with long-life manufacturing facilities. Disclosures related to the research and development plan and progress are therefore important for understanding the current and future situation and risks of the company.

Most companies in our sample quantified the investment deployed towards climate-related risks and opportunities. Note that this is one of the cross-industry climate-related metric categories.

Better practice discussed the research and development plan and investment deployed in relation to the company’s transition plan targets.

Discussion of investment needed in order to meet the targets set as part of its net zero commitment

Whilst the total cost of novating the fleet on renewal of the lease is material to the Group, the incremental cost of choosing to renew with lower carbon vehicles instead of traditional vehicles is not material. In the UK (which has 40% of our emissions), the incremental cost of novating this fleet is c£0.8m in 2023, 2024 and 2025. Similarly, the cost of building the infrastructure to support the move to HVO fuel in the UK in some of our trucks is less than £100k per annum. HVO fuel is not expected to have any significant incremental cost impact over the diesel which is currently purchased.

SIG plc, Annual Report and Accounts, 31 December 2022, p49
3. Materials and Buildings (continued)

Metrics related to opportunities

The TCFD guidance states that disclosures should focus on the potential impacts of opportunities for products that improve efficiency, reduce energy use, and support closed-loop product solutions. The proportion of revenue, assets, or other business activities aligned with climate-related opportunities is also a cross-industry climate-related metric.

Consistent with our findings in last year’s thematic review, the reporting of metrics related to opportunities was generally not as developed as for risks. We did, however, see some examples of metrics reported in the companies reviewed, including:

- one company set a target for a certain percentage of revenue to be generated from new and sustainable products; and
- one company quantified the potential annual impact of opportunities on trading profit in the short, medium and long term.

Intensity ratios

The TCFD all-sector guidance states that organisations should consider providing relevant, generally accepted industry-specific GHG efficiency ratios.

All companies disclosed an intensity ratio metric:

- Two companies expressed emissions in units of production. The all-sector guidance notes this is widely used for high-energy consumption industries.
- Two companies chose revenue as their emissions factor, which is commonly used across many different industries.
- One company expressed emissions in both units of production and revenue, which aided comparability with other companies.

Better practice showed a clear linkage of emissions ratios disclosed and the targets used as part of their emission reduction plans.

We were not always able to recalculate the intensity ratio from the information disclosed. One company disclosed different reporting periods for emissions and the financial statements, which may have been the reason for the recalculation difference.

We expect companies to clearly explain the reporting period used in calculating intensity ratios, if this is different to the reporting period of the financial statements.
3. Materials and Buildings (continued)

Scope 3 GHG emissions

Materials and buildings companies often have very material Scope 3 emissions, for example, from the purchase of raw materials, investment in manufacturing machinery, the transportation of products and customers' use of products. The extent and nature of Scope 3 emissions varies greatly depending on the company's position within its supply chain.

Companies have made progress in assessing which Scope 3 categories are relevant to their business; however, only one company reported against all Scope 3 emission categories that it considered relevant. Other companies explained that their Scope 3 emissions are material and disclosed their plans to disclose these in the future, with the next steps being to gather or analyse the data.

Two companies reported a small portion, or estimated amount, of material Scope 3 emissions. Both companies reported compliance with all three of the metrics and targets recommended disclosures, and did not seem to have considered the impact of not reporting all relevant categories of Scope 3 emissions on their statement of consistency.

Out of the four companies who did not disclose their complete Scope 3 emissions, only one disclosed the timeframe in which it expects to be able to make those disclosures. This is required under paragraph 8(b) of Listing Rule 9.8.6R.

We expect companies to:

Undertake an assessment to determine the materiality of Scope 3 emissions and report Scope 3 where appropriate, clearly identifying which categories are included.

Consider the impact on the company's statement of consistency with TCFD when Scope 3 emissions are appropriate but not reported.
Financial statements impact

All companies stated that they had considered their TCFD disclosures when preparing their financial statements. The extent to which this disclosure considered companies’ net zero targets and transition plans varied, with most explanations being fairly high level and boilerplate.

Better practice clearly explained how the actions planned to meet targets disclosed impacted the financial statements.

We identified apparent inconsistencies between the TCFD disclosures and the financial statements:

• One company discussed transition risks extensively in the front half, but then stated that only physical risks had been considered in the financial statements.
• Two companies referred to carbon offsets or carbon pricing in the front half, but the extent to which these were considered in, or relevant to, their impairment assessments was unclear.

We expect companies to:

Avoid boilerplate statements such as ‘climate has been incorporated into our impairment review assumptions’ which provide limited insight without describing the relevant assumptions, uncertainties and the position taken.

Consider explaining why certain targets do not have a material impact where investors may reasonably expect them to do so.

Impact on financial planning and financial statements

The largest financial impact from our carbon-related risks is the cost involved with removing fossil fuels from our fleet. The strategy for transitioning the fleet to a lower carbon basis is to replace aged vehicles with lower carbon alternatives as and when the leases naturally renew and to focus on a short to medium-term transition to lower carbon fuels which can be used in our existing fleet. There are currently no plans to accelerate the transition of the fleet to lower carbon alternatives over and above the natural lease cycle...

...The costs of pursuing this strategy over the short term have been factored into our 2023 budget and medium-term plans by each operating company. Over this period, these costs largely relate to the transition of our car and forklift fleet to lower-carbon alternatives and the gradual transition to fuels such as HVO in our large trucks...

...The financial impact of climate-related matters is further discussed on pages 66 to 67 as part of our viability and going concern statements as well as in Note 11 of the financial statements which details our considerations in respect of impairment reviews. These statements conclude that there is not considered to be a significant risk of climate change causing a significant downturn in cash flows across the Group.

SIG plc, Annual Report and Accounts, 31 December 2022, p49

Discussion of potential impact of key transition target. Refers to other relevant sections of the annual report and the note in the financial statements.
4. Energy
4. Energy

Sector overview

The TCFD annex contains guidance for companies operating in the energy sector, including those operating in the Oil and Gas, Coal and Electric Utilities industries. The energy sector is critical for most economic activity, and other industries whose transition plans depend upon increased electrification of their activities will rely on the decarbonisation of the electric utilities sector. The sector must balance enabling overall decarbonisation in support of countries’ climate ambitions with the need to provide a reliable supply of energy.

Electric utility companies typically have long planning horizons. They are often exposed to physical risks, for example, severe weather events impacting power generation and transmission assets. They are also often exposed to transition risks, for example, through changing government policies, which can vary significantly across different jurisdictions.

We reviewed the disclosures of five companies across the electricity value chain, including companies involved in the generation and transmission of energy and the provision of energy end-use infrastructure. Our sample was split between companies reporting against TCFD for the first time and companies for whom it was the second year of mandatory reporting.

Key findings

• Three companies disclosed net zero targets, but it was not always clear whether these included Scope 3 emissions. Two of the smaller companies explained they were not yet in a position to set net zero targets.

• Four companies reported a range of metrics, with some disclosures implying consideration of the sector-specific energy guidance. The remaining company explained that it will develop a metric and target framework as it matures and grows.

• All companies reported some Scope 3 emissions. However, the reporting boundaries were not always clearly explained, and it was sometimes unclear which categories had been reported.

• Most companies could improve the linkage between their climate-related risks and reported metrics, including cross-referencing to relevant metrics included outside the TCFD reporting.

• There were some better practice examples of the consideration of climate change in the financial statements; however, we also identified examples of apparent inconsistencies.
4. Energy (continued)

Clarity and understandability of reporting

All companies in our sample included their TCFD disclosures within their strategic reports.

Better practice clearly presented the metrics and targets in tables or with graphics summarising performance, with additional detail in narrative disclosures.

One company reported metrics alongside identified risks and opportunities, but it was not always clear how these related to one another. Additional information that helped to explain this was presented within large blocks of text in a separate location.

We identified instances where seemingly relevant metrics were reported elsewhere in the annual report, including the Directors’ Remuneration Report and key performance indicators, but were not referred to within the TCFD disclosures.

Some companies provided more detailed data on their websites. However, for one company we noted unexplained differences between the base year emissions underpinning its net zero target in the annual report and on its website.

We expect companies to:

Ensure that any linkage between risks and opportunities and metrics used to measure, monitor or manage them is clear.

Consider the connectivity across disclosures to ensure coherent messaging.

Ensure that where metrics are reported in more than one place, any inconsistencies are explained.

We consider the disclosures to be partially consistent with the recommendations for cross-industry metrics and targets (recommended disclosures “Metrics and targets a) and c”). We believe our cross-industry metrics currently lack the level of specificity required to meet the threshold for full consistency. Over the coming year, we intend to evaluate appropriate targets and evolve our business methods, and our approach to metric reporting. This should enable us to increase the level of specificity we are able to provide on these disclosure requirements. Our objective is to confirm that the 2023 Annual Report and Accounts is consistent with the current TCFD recommendations.

Drax Group plc, Annual report and accounts, 31 December 2022, p52
4. **Energy** (continued)

**Net zero targets**

The companies within our sample were at varying levels of maturity in setting net zero targets and determining their transition plans. Two smaller companies explained they were not yet in a position to set net zero targets.

Two companies disclosed clear net zero targets, which covered Scope 1, 2 and 3 emissions.

One company set a carbon reduction goal, but it was not clear whether this included the Scope 3 emissions that had been disclosed, or whether the target related to only Scope 1 and 2.

Some companies specified that their targets are SBTi-aligned. However, they did not always explain where they were in the SBTi target process.

**Other climate-related targets**

Companies disclosed targets in a number of other areas, including:

- transition of fleet to electric vehicles;
- installation of electric vehicle charging points;
- production of biomass pellets; and
- reduction in the use of SF₆ (used in electricity transmission and distribution).

One company disclosed a target but did not disclose the corresponding metric for the current period. This made it difficult to understand the extent of progress needed in order to reach the target.

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10 The TCFD all sector guidance requires companies with medium-term or long-term targets to also disclose associated interim targets in aggregate or by business line, where available.
4. **Energy** (continued)

**Climate-related metrics**

**Choice of metrics**

Most companies disclosed at least one metric beyond the GHG emissions, energy use and intensity ratio required by SECR, with two companies disclosing most of the cross-industry climate-related metrics. One company explained that it will develop a metric and target framework as it matures and grows.

The sector-specific guidance notes that energy companies should consider providing additional industry-specific metrics\(^{11}\) and refers to the SASB ‘Climate Risk Technical Bulletin’, April 12, 2021. One company in our sample stated that it had reported SASB metrics.

We saw some examples of company-specific metrics including:
- % of emissions from hydrocarbon production, transport and storage; and
- an electricity transmission company reported SF\(_6\) gas discharges.

We have considered the metrics reported in more detail throughout the subsequent sections within this report – specifically in relation to physical risks, transition risks, Scope 3 emissions and intensity ratios.

We expect companies to report material cross-sector climate-related metrics and keep industry-standard metrics and peer reporting under review.

**Metrics relating to physical risks**

The energy sector guidance states that companies should consider providing disclosures related to the financial implications of potential physical impacts, such as severe storms and flood mitigations.

Three of the five companies sampled outlined the different physical risks to which they were exposed. Two of these indicated the amount and extent of assets or business activities vulnerable to physical risks\(^{12}\), which includes acute weather events:
- One company determined the risk of extreme weather, flooding and sea levels rising to be significant, and quantified the potential impact on profit in a given year.
- One company quantified the impact of rising mean temperatures on the gross margin in the short, medium and long-term.

One company included brief details of its risk assessment of physical risks but did not disclose the output of this.

The energy sector guidance notes that many companies are dependent on the availability of water, and that all energy companies should consider disclosing their reliance on water in areas of high water stress. We did not identify any disclosure of this. However, two companies did disclose their water use and one specified how much water was abstracted and returned for hydrogeneration, and abstracted for pumped storage.

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11 Examples of potential metrics include percent of water withdrawn in regions with high baseline water stress and amount of gross global Scope 1 emissions from (1) combustion, (2) flared hydrocarbons, (3) process emissions, (4) directly vented releases, and (5) fugitive emissions/leak.

12 This is a cross-industry climate-related metric category.
4. **Energy (continued)**

**Metrics relating to transition risks**

Our sample mostly focused on utility companies. The TCFD sector-specific guidance notes that electric utility companies often face significant transition risk from the potentially disruptive impact of the policy, technology, and portfolio changes likely to occur over the next two to three decades as part of a shift to a low-carbon energy system.

Three companies in our sample disclosed their transition risks, which in each case included policy, technology and market risks. Two of these companies clearly disclosed metrics associated to the transition risks, as well as indicating the amount and extent of assets or business activities vulnerable to transition risks.

One company quantified the impact of its transition risks and opportunities on its gross margin in the short, medium and long-term, under two different climate scenarios.

One company gave high level descriptions of the metrics, which made it difficult to understand what the metrics were measuring.

One company disclosed metrics which seemed to be relevant to its transition risks elsewhere in its strategic report, but did not refer to these in its TCFD reporting.

One company disclosed only physical risks in relation to climate change and did not explain whether it considers transition risks to be relevant.

The sector-specific guidance notes that energy companies should focus their disclosures on potential impacts of:

- changes in compliance and operating costs, risks or opportunities, (e.g. for older, less-efficient facilities);
- exposure to regulatory changes or changing consumer and investor expectations (e.g. expansion of renewable power); and
- changes in investment strategies (e.g. increased investment in carbon-capture technology).

We identified disclosures suggesting that some companies had considered these disclosures from the sector-specific guidance. Examples of metrics disclosed include the following:

- current fuel mix;
- pumped storage and hydro capacity;
- MW of low carbon and transition assets installed; and
- number of EV charging points installed.

The energy sector guidance notes that the regulatory and competitive landscape surrounding electric utilities differs significantly between jurisdictions, which can make assessment of climate-related risks very challenging. The companies who did not disclose either their transition risks or associated metrics all predominantly operate in the UK, suggesting this was not the primary reason for not disclosing metrics. The lack of disclosure seemed to be due to the maturity of the reporting, with the companies all reporting TCFD disclosures for the first year, due to either being standard listed, or premium listed but having made limited disclosures last year.

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13 This is a cross-industry climate-related metric category.
4. **Energy** (continued)

**Scope 3 GHG emissions**

All companies reported some Scope 3 emissions. Scope 3 emissions are often significant for energy companies; however, the nature of these will vary depending on the company’s business model.

- Scope 3 reporting categories were not always disclosed and it was sometimes unclear whether the categories not reported were immaterial, or if there was not yet readily available data to determine the extent of these emissions.

- One company disclosed Scope 3 emissions, but did not provide any details of what these related to.

- Better practice disclosures presented data in tables and provided explanations of the emission scopes and categories included. This was particularly helpful for understanding the extent of Scope 3 emissions, which can be wide-ranging and include upstream and downstream emissions.

- We expect companies to report Scope 3 GHG emissions where appropriate and to clearly explain the different categories of Scope 3 emissions disclosed.

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**Explanation of current level of assessment of Scope 3 and planned actions**

In monitoring our supply chain sustainability risk, our Scope 3 emissions data highlighted the top suppliers by emissions, enabling us to engage with the top two during 2022 on their sustainability goals and metrics. We will extend this out to the remainder of our top ten suppliers during 2023.

**Pod Point Group Holdings plc, Annual report and accounts, 31 December 2022, p52**

**Summary of the business activities and classification as Scope 1, 2 or 3**

**Drax Group plc, Annual report and accounts, 31 December 2022, p61**

- **Scope 1**: Coal and natural gas power generation, methane and nitrogen oxides emissions from biomass generation, pellet plant operations, pellet port operations, large plant vehicles, flue gas desulphurisation systems, company vehicles, fluorinated gases from heating, ventilation and air conditioning systems.

- **Scope 2**: Hydroelectricity consumption, renewable electricity imports, generation electricity consumption, Pellet Production business electricity consumption, office sites electricity consumption.

- **Scope 3**: Recycling, processing and disposal of waste, reuse and reprocessing of ash and by-products, transmission and distribution, emissions from use of sold electricity, emissions from use of sold natural gas, emissions from transport and use of sold pellets.
4. Energy (continued)

Intensity ratio

The TCFD sector-specific guidance refers to the WBCSD, “TCFD Electric Utilities Preparer Forum,” July 16, 2019. The forum notes that it can be useful for utility companies to disclose both intensity and absolute metrics, due to emissions often being volatile due to weather variability\(^{14}\).

All companies disclosed an intensity ratio metric\(^{15}\). We saw a range of emission factors, including tonnes of CO\(_2\) equivalent per:
- currency unit of sales revenue;
- kWh of electricity generated or energy transferred;
- units of production shipped; and
- km of area covered by electricity licence.

The range of emission factors disclosed is reflective of how companies within the energy sector often have diverse operations, both within the company and compared with other companies. This can make comparisons between companies difficult.

Most companies within our sample disclosed targets on an absolute basis; however, one company’s targets included reducing Scope 3 downstream emissions in relation to £m of sales revenue.

Financial statements impacts

As noted previously, two companies in our sample were at an early stage of defining their transition plans and had not yet set net zero targets.

We saw examples of additional disclosure to explain the linkage between the metrics and targets, and the financial statements. For example:
- one company explained why the assumptions used in impairment testing were not consistent with net zero scenarios, and disclosed additional sensitivity analysis to show the impact on the carrying value of using net zero-aligned assumptions; and
- another company explained how the emerging technology necessary to meet its net zero targets would impact the useful economic lives of existing assets, disclosing an associated key source of estimation uncertainty.

We identified an instance where the financial statements did not seem to consider the announced targets, and it was unclear whether this was appropriate due to a lack of detail regarding the target.

We expect companies to consider the relevant metrics for their sector and business and provide clear explanations of the choice of metric where they are not standard for the industry.

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14 Emissions may increase due to drought or inadequate wind resources, or changing demand due to more heating or cooling needs.
15 This is also required by SECR.
4. **Energy** (continued)

3. **Critical accounting judgements and key sources of estimation uncertainty**

Accordingly, the Group is mindful of these dynamics when it considers which areas of the balance sheet are exposed to key estimation uncertainty from climate-related issues. The Group considers which assets are most exposed to impairment from climate risks and similarly whether there are any liabilities that are either currently unrecognized or might increase as a result of those risks.

The Group’s assets/liabilities have been segmented into three tranches, grading each balance’s exposure to climate risks/opportunities:

(i) Higher risk – As the consumption of gas and power is intrinsically linked to carbon emissions, their pricing is consequently exposed to climate and legislative risk. Accordingly, where assets or contract values have a key dependency on commodity price assumptions, those assets (or contracts) are deemed higher risk.

(ii) Medium risk – Gross margin energy transition considerations and their potential impact on forward-looking balances (e.g. Supply and Services and Energy Trading goodwill) and decommissioning balances in E&P.

(iii) Lower risk – No significant risk identified on the basis that positions are short-term in nature or are specifically linked to the energy transition or are immaterial.

The key non-current asset (and decommissioning provision) balance sheet items have been presented in more granular detail below, together with the groupings into the above risks and with rationale set out below this table.

<table>
<thead>
<tr>
<th>As at 31 December 2022 related to (£m)</th>
<th>Goodwill</th>
<th>Intangibles</th>
<th>Investment in associates</th>
<th>Property, plant &amp; equipment</th>
<th>Decommissioning provision</th>
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<tbody>
<tr>
<td><strong>Gas Assets (E&amp;P and Storage)</strong></td>
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<td>E&amp;P fields (Spir)</td>
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<tr>
<td>E&amp;P tax losses (Spir)</td>
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<tr>
<td>Gas storage facility (Rough)</td>
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<tr>
<td><strong>Power Generation</strong></td>
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<tr>
<td>Nuclear investment</td>
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<tr>
<td>Gas-fired power stations/engines</td>
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<tr>
<td>Combined heat and power (CHP/fuel cell)</td>
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<tr>
<td>Solar</td>
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</tbody>
</table>

Classifies the balance sheet assets according to level of climate risk, and then explains why those classified as higher risk have not been considered to be key judgements or sources of estimation uncertainty

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Centrica plc, Annual report and Accounts, 31 December 2022, p135
(Note that this extract has been cropped and does not include all assets)

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Centrica plc, Annual report and Accounts, 31 December 2022, p136
5. Banks
5. Banks

Sector overview

One of the challenges that the Financial Stability Board sought to address with TCFD was the need to provide financial markets with accurate and timely disclosures to support informed, efficient capital-allocation decisions in the transition to a net zero economy. As providers of capital, banks are key consumers of TCFD data. However, they also report on the climate-related impact of their own operations, including their investing and lending decisions.

Banks have a systemically important role in the economy and society as a whole and therefore have a diverse range of stakeholders. They are custodians of wealth which they use to provide finance to others. Their actions in seeking to reduce their carbon footprint have the potential to have wide ranging impacts.

Each bank is unique. The size and complexity of their operations varies, and their disclosures relating to climate reflect this. To see the progress banks are making in disclosing meaningful metrics and targets, we reviewed the reporting of five banks, including two from the FTSE 100 and one from the FTSE 250.

Key findings

- All five banks disclosed targets to reach net zero by 2050, including financed emissions. They also set interim targets for their own direct emissions.

- Three banks reported financed emissions for the most heavy-emitting of their lending activities and continue to develop emissions disclosure for their remaining significant loan portfolios. The other two are developing their capabilities to be able to report in the coming years. The financed emissions calculations were based on the Partnership for Carbon Accounting Financials (PCAF) industry standard.

- The banks that disclosed financed emissions had to make estimates and assumptions in their calculations. Banks need to be clear about the limitations of the reliability of any data.

- The banks’ TCFD disclosures were among the lengthiest of the companies reviewed, and were often supplemented by information outside the annual report. Without careful consideration of how this information is presented, there is a risk that decision-useful information is obscured. There are opportunities to improve the clarity and conciseness of the banks’ TCFD reporting.

- No bank quantified a financial effect of climate change on the financial statements, and four banks explicitly stated that they did not consider the quantitative impact to be material at this time.
### 5. Banks (continued)

#### Clear and concise disclosures

TCFD reporting for the larger banks extended to over 100 pages.

Banks need to consider how best to present information in a clear and concise manner, whilst ensuring that all the statutory information required to be in a strategic report is given in that report (either directly in the report or clearly cross-referenced to other parts of the annual report and accounts).

It was clear that the banks had given thought to aiding stakeholders in navigating their way through the voluminous information, but there was often repetition of the same data in different sections of the annual report.

Presenting extensive information without explanation of which audience it is intended for can make it harder to identify the key messages.

As reporting becomes more developed and embedded, companies need to think carefully about how to present the required information in a clear, concise and understandable manner.

Companies should ensure that additional information does not obscure material TCFD disclosures. The reporting of risks and opportunities arising from climate change should be clearly identified from more general business opportunities.

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### NatWest Group plc, Annual Report and Accounts, 31 December 2022, p61

**Sets out the TCFD recommended disclosure**

<table>
<thead>
<tr>
<th>Metrics and Targets</th>
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</thead>
<tbody>
<tr>
<td>The metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material</td>
</tr>
</tbody>
</table>

#### 2022 progress

- Metrics used to assess climate-related risks:
  - Exposure to heightened climate-related risk sectors;
  - Energy efficiency and flood risk assessment for UK residential mortgage portfolio;
  - NatWest Group’s own operational footprint;
  - Estimates of financed emissions based on absolute emissions and emissions intensities, including progress against sectoral decarbonisation pathways;
  - Estimates of fossil fuel emissions from corporate bond underwriting.

- Metrics used to assess climate-related opportunities:
  - Climate and sustainable funding and financing;
  - NatWest Group Own Green Bond issuance.

Refer to the Directors’ Remuneration Report in the NatWest Group plc 2022 Annual Report and Accounts for further details on integration of climate considerations into remuneration.

#### Future priorities

- Continue to develop metrics and measurement capabilities to monitor and manage climate-related risks and opportunities;
- Continue to develop measurement, monitoring and reporting capabilities for Asset management;
- Continue to monitor evolving carbon measurement standards and enhance capabilities including continuing engagement with PCAF on finalisation of the financial emissions standard.

**NatWest Group plc 2022 Climate-related Disclosures Report sections 3.2, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7**

**Provides an overview of progress**

**Details work still to be done**

**Signposts where further information can be found**
Our transition to net zero

NatWest Group has been a signatory to the United Nations Environment Programme Finance Initiative (UNEP FI) since 1997 and the Equator Principles since 2005. We have come a long way since our commitments to the Paris Agreement and to carbon neutrality in our own operations. We are committed to playing our part in addressing the climate crisis, and we are working with our clients to support them in meeting their own carbon reduction targets.

Infographics can be a good way of communicating complex information in an easily understandable way.

Companies should consider how best to present the key messages in a clear and understandable way.

Our transition to net zero

<table>
<thead>
<tr>
<th>2015</th>
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<th>2022</th>
<th>2030</th>
<th>2050</th>
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<td>Ambition to achieve net zero across our financial operations, AvA and operational supply chain</td>
<td>Ambition to at least double the climate impact of our financing activity, against a 2019 baseline, and align with the 2015 Paris Agreement</td>
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- Net zero is the growth opportunity of the 21st century
- Ambition to deliver climate-aligned financing and repositioning by 2030
- Target: to reduce emissions from direct own operations by 90% by 2030, against a 2019 baseline

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- Net zero is the growth opportunity of the 21st century
- Ambition to deliver climate-aligned financing and repositioning by 2030
- Target: to reduce emissions from direct own operations by 90% by 2030, against a 2019 baseline

Our transition to net zero

<table>
<thead>
<tr>
<th>2015</th>
<th>2020</th>
<th>2022</th>
<th>2030</th>
<th>2050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Task Force on Climate-related Financial Disclosures (TCFD)</td>
<td>Announced our purpose-led climate ambition</td>
<td>Annual General Meeting: Say on Climate resolution</td>
<td>Ambition to achieve net zero across our financial operations, AvA and operational supply chain</td>
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Key opportunities to support the transition

- There is an opportunity to reduce emissions from our own operations.
- There is an opportunity to reduce emissions from our clients' operations.
- There is an opportunity to reduce emissions from our supply chain.
- There is an opportunity to reduce emissions from our investments.

Financial emissions

- Provision of £100 billion for climate-aligned financing.
- £50 billion for climate-aligned financing.
- £20 billion for climate-aligned financing.
- £10 billion for climate-aligned financing.

Assets Management

- Move 50% of our assets under management to net zero-aligned investments.
- Move 90% of our assets under management to net zero-aligned investments.
- Move 99% of our assets under management to net zero-aligned investments.
- Move 100% of our assets under management to net zero-aligned investments.

Own operational footprint

- Move 50% of our own emissions to net zero-aligned investments.
- Move 90% of our own emissions to net zero-aligned investments.
- Move 99% of our own emissions to net zero-aligned investments.
- Move 100% of our own emissions to net zero-aligned investments.

NatWest Group plc, Annual Report and Accounts, 31 December 2022, pp56-57
Climate-related targets

Emissions targets

All of the banks stated an ambition to be net zero by 2050 and set interim targets for Scope 1 and 2 emissions and those Scope 3 emissions that were in their control. Banks refer to these emissions as ‘direct’ emissions or emissions ‘from operations’.

All banks reported progress against interim targets and explained the actions taken to meet these targets. However, the interim targets excluded bank’s ‘financed emissions’ – the emissions that result from a bank’s lending and investing – although all acknowledged that financed emissions would be the most significant element of their total emissions.

Science-based targets

One bank disclosed SBTi-approved targets and three others stated that they were developing science-based targets. One bank set a target for the proportion of its suppliers that have science based targets.

We expect companies to present their targets in a way that allows them to be easily understood, especially when a number of targets need to be met in order to achieve an overall objective.
5. **Banks** (continued)

**Targets for financed emissions**

The banks’ ambitions to be net zero by 2050 imply a commitment to net zero financed emissions by that date.

The reporting of financed emissions is still at an early stage, especially for the smaller banks; however, it is clear on the basis of the available reporting that meeting this target would involve significant changes in banks’ portfolios and to their investees’ and customers’ supply chains, especially in heavy-emitting sectors. The banks’ transition plans to achieve this are still under development, but some reported on early steps being taken, for example, to influence customers to set net zero targets.

Three of the five banks have started to disclose financed emissions. The two larger banks have made the most progress and now report financed emissions for the most highly emitting sectors of their portfolios, and have started to set targets to reduce the associated emissions.

The other banks are developing their capabilities to be able to report in the coming years, but did not commit to a definitive date.

As the reporting of financed emissions is a work in progress, it would be helpful to stakeholders if companies explain when they expect to be able to report outstanding information. This is also a requirement of the Listing Rules.
The larger banks are more advanced in their reporting and have started to set sector-specific targets. The targets set, and the metrics used to measure performance against them, are based on metrics that are common to that sector, for example, reductions based on absolute emissions for the energy sector or reductions in intensity ratios in construction sectors. They are extending targets to more sectors each year.

Explanations of targets should, at the very least, detail what scope of emissions are included in the target, the boundary of the target, what the reference point is as well as the metric to measure progress.

As reporting develops, identifying what has changed or is new in the current period allows users to more easily see progress being made.

<table>
<thead>
<tr>
<th>Strategic pillar</th>
<th>Previously announced target/policy</th>
<th>Progress</th>
<th>New announcement</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Reducing our financed emissions</td>
<td>By the end of 2020</td>
<td></td>
<td>By the end of 2020</td>
</tr>
<tr>
<td>Energy</td>
<td></td>
<td>40% reduction in absolute CO₂ emissions against a 2020 baseline of 1.2 T CO₂eq (Scopes 1 &amp; 2)</td>
<td>-51%</td>
</tr>
<tr>
<td>Power</td>
<td></td>
<td>50-65% reduction in CO₂ emissions intensity against a 2020 baseline of 55.1 kg CO₂eq/MWh (Scope 1)</td>
<td>-9%</td>
</tr>
<tr>
<td>Cement</td>
<td></td>
<td>70-75% reduction in CO₂ emissions intensity against a 2020 baseline of 0.62 t CO₂eq/MWh (Scope 1)</td>
<td>&gt;7%</td>
</tr>
<tr>
<td>Steel</td>
<td></td>
<td>20-40% reduction in CO₂ emissions intensity against a 2021 baseline of 1.94 t CO₂eq/MWh (Scopes 1 &amp; 2)</td>
<td>-11%</td>
</tr>
<tr>
<td>Automotive manufacturing</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential real estate</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Our automotive emission intensity target

To support this shift toward BEVs, we have set a target to reduce the financed emissions intensity of our automotive manufacturing portfolio by 40%-64% by 2030 against a 2022 baseline, calculated using our Blue Track™ methodology. Consistent with our target ranges for other sectors:

- the lower emissions reduction in the range reflects an estimated emissions reduction trajectory based on our current view of sector and client pathways and commitments;
- the higher emissions reduction in the range is aligned to the IEA NZE2050 pathway consistent with limiting global warming to 1.5°C. This pathway incorporates an assumption that public policy interventions, shifts in demand and new technologies will transcend and enable our clients and the industry as a whole, to accelerate their transition plans beyond current commitments or expectations.

The scope of this portfolio target is limited to new light duty vehicle (LDV) manufacturers, including Scope 1, 2 and 3 downstream emissions (use of sold products), i.e., the combustion of fuel or “tank to wheel” metrics.

Heavier vehicles may be dependent on future technology developments including green hydrogen to decarbonise and are not currently in scope of this target. We will keep this under review, as the transition of heavier vehicles will be required for the automotive sector as a whole to reach net zero.

Barclays PLC, Annual Report, 31 December 2022, p91

Barclays PLC, Annual Report, 31 December 2022, p71

Highlights targets for portfolios that were reported for the first time in the year, and any changes to previously announced targets.
5. Banks (continued)

Clear explanations of how financed emissions have been calculated, including any significant assumptions and limitations of the data, can help users to understand the metric better.

The financed emissions analysis for all vehicles financed follows the formula prescribed in the PCAF standard.

\[ \text{Financed Emissions} = \sum \left( \text{Attribution Factor} \times \text{Vehicle Emissions} \right) \]

- **Outstanding loan value**
- **Annual Km x CO2/Kg/Km**
- **Original vehicle value**

Secure Trust Bank PLC, Annual Report & Accounts, 31 December 2022, p59

**Estimates of financed emissions continued**

Pages 87 to 89 include details on methodologies used to estimate financed emissions for sectors analysed. Also included are graphs for each sector which show the (i) estimated convergence points for 2020, 2021, 2022 and 2023 based on a 2015 baseline; (ii) NatWest Group-estimated physical emissions intensity for 2013, 2014 and 2015 and (iii) an assessment of NatWest Group 2021 estimates and the 2021 convergence points.

**Property**

- **Residential mortgages**
  - Residential mortgages comprise 76% of the NatWest Group’s loan and advances as at 31 December 2022 (31 December 2021: 76%). Since 2019, residential mortgages have increased by 25% while physical emissions intensity decreased slightly over the same period, reflecting the continued focus on customer transition and improvements in EPC ratings since 2019 and improvement in the availability of EPC data.

- For example, to calculate financed emissions, we used both EPC ratings and original loan value (LV) in line with the PCAF Standard.
  - EPC data is in evidence of the underlying climate risk. EPC data is sourced from publicly available information. As EPC ratings are updated only every 10 years or after significant refurbishment, not all properties have current EPC ratings. Refer to section 5.2 for details on EPC data sourcing and limitations, where EPC data is not available, a scaling factor is applied to estimated absolute emissions and floor space. We have observed that the population for which EPC data has not been disclosed is reflective of the population where such data was available.
  - EPC data has not been adjusted for any time-related energy efficiency changes to the property since the date of inspection. For Scope 2, electricity emissions estimates, EPC data has been adjusted for the decarbonisation of the UK power grid between the year of inspection and date of estimation of financed emissions.

- Original LVs have been calculated based on outstanding loan balance at the calculation date, divided by original property values at the date of mortgage origination.

- We have used the BA EITI 2025 World pathway to estimate the physical emissions intensity reduction of 45% required by 2030, as validated by the BEIS technical board.

Summarises some of the reasons for movements from when emissions were last estimated

Explains the methodology applied and the specific assumptions made in calculating the financed emissions

NatWest Group plc, 2022 Climate-related Disclosures Report, p82
5. **Banks (continued)**

**Financed emissions – sources and reliability of data**

Banks require data from their customers so that they can report on the impact of their lending. This data can be limited in availability, of variable quality and often subject to a delay.

Until there is readily available data of sufficient quality of customers’ emissions, banks will have to estimate and make forward-looking assumptions. For example, when calculating the emissions generated from financing vehicles, assumptions need to be made about the average emissions of a vehicle, or the average mileage in a year.

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### Current data limitations result in the use of judgements and assumptions in the estimation of financed emissions.

The PCAF Standard for financed emissions recommends applying a data quality scoring methodology to help assess data quality challenges and recognise areas for improvement. PCAF’s ratings assign directly collected customer emissions data a better score while estimated or extrapolated data achieves lower scoring. A PCAF score of 1 is typically considered to have a very low margin of error for estimation of financed emissions, while a PCAF score of 5 is typically considered to have a much larger margin of error. Data limitations mean that sectors are generally best-estimated using a mixture of customer-specific emissions and estimated data.

The table shows the percentage of exposures in each sector for which (a) externally published emissions and production data has been used, (b) revenue estimates have been used, or (c) extrapolation has been applied to estimate emissions, and related data quality scores. Data quality scores vary across sectors based on source of data as well as level of estimation required.

<table>
<thead>
<tr>
<th>System</th>
<th>Sector</th>
<th>Published emissions / Production data (%)</th>
<th>Data quality</th>
<th>Revenue estimated emissions (%)</th>
<th>Data quality</th>
<th>Sector estimated emissions (%)</th>
<th>Data quality</th>
<th>Overall data quality score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property</td>
<td>Residential mortgages</td>
<td>56</td>
<td>3</td>
<td>84</td>
<td>5</td>
<td>3.9</td>
<td>4.1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Commercial real estate</td>
<td>36</td>
<td>3</td>
<td>84</td>
<td>5</td>
<td>4.7</td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Construction</td>
<td>2</td>
<td>3</td>
<td>68</td>
<td>5</td>
<td>4.7</td>
<td>4.7</td>
<td></td>
</tr>
<tr>
<td>Mobility</td>
<td>Automotive manufacturing Scope 3</td>
<td>94</td>
<td>2</td>
<td>4</td>
<td>5</td>
<td>2.2</td>
<td>3.3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Land transport and logistics</td>
<td>1</td>
<td>1</td>
<td>36</td>
<td>5</td>
<td>4.2</td>
<td>4.2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Airlines and aerospace</td>
<td>10</td>
<td>1</td>
<td>11</td>
<td>5</td>
<td>4.3</td>
<td>3.4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>of which aviation</td>
<td>25</td>
<td>1</td>
<td>52</td>
<td>4</td>
<td>4</td>
<td>4.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shipping</td>
<td>25</td>
<td>1</td>
<td>64</td>
<td>11</td>
<td>3.4</td>
<td>3.3</td>
<td></td>
</tr>
</tbody>
</table>

1. Data quality score of 1 represents the use of customer reports with emissions data verified by a third-party auditor. A score of 2 represents use of data from customers reports without third-party verification and a score of 3 represents use of production data to estimate emissions.
2. Within the scope of EY assurance. Refer to page 18.
3. To estimate financed emissions by sector, we look at emissions on a customer basis. For the residential mortgages and commercial real estate sectors, we use EPC ratings to estimate emissions. For other sectors, the following approach is applied:
   1. Where available, we use customers’ published financial emissions to estimate NatWest Group’s financed emissions. These are sourced from third parties who have processes in place to gather and validate this data. We also use published production capacity data where available.
   2. Where published financial emissions are not available, we use other externally published financial and non-financial data to estimate emissions, e.g. customer revenue data to estimate production levels or emissions based on a sectoral average revenue intensity factor.
   3. For customers for which externally published emissions or other data are not available, we estimate emissions based on the emissions for other customers in the sector, assuming that the emissions profile for customers for which published data is not available, is comparable to the rest of the customers within the same sector.

Purchased carbon offsets are not taken into consideration as part of our footprinting methodology in order to provide a true reflection of emissions produced. Segregation via our LULUCF sector is modelled in line with best practice.

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Four of the five banks made reference to an industry data classification system such as the PCAF, and the better examples explained where and why they had deviated from using it.

Of the three banks who reported financed emissions data, two obtained limited assurance over some of the data and the third is planning to do so.
5. Banks (continued)

The availability of data was a limitation for companies operating in locations and economies where there are currently no requirements to collect or report emissions data.

Sets out some of the challenges encountered as a result of the markets where the company operates, and why disclosures are not fully consistent with the TCFD requirements

Due to the lack of data and calculation methodology for Georgian environment, where the largest part of our activities are performed, we are not able to report other relevant categories of Scope 3 emissions. For this reason, we consider ourselves to not be in fully consistent with the TCFD requirements at this stage...

...It should be noted that the data we have used provide the best available approach to reporting progress made, notwithstanding the challenges that exist given the incompleteness and novelty of the data sets and methodologies required for the Georgian environment, which bears the largest part of our activities. We expect the availability and reliability of required data to improve over time, and we intend to integrate applicable improved data into our reporting as it becomes available.

TBC Bank Group PLC, Annual Report and Accounts, 31 December 2022, p120

We expect companies to be clear about the assumptions applied, the limitations of the reliability of any data, and the extent of any assurance obtained.

Green finance targets

Three banks set targets in relation to writing green or sustainable loans, and the others identified opportunities in this area. Progress on meeting the lending targets was a specific factor in determining discretionary executive remuneration.

As there is currently no definition of green or sustainable financing, banks need to define their metrics clearly. All three banks provided a definition of green or sustainable loans. Two banks had published policies on their website and had sought limited assurance as to their reporting of the amounts.

Other industry recommendations

Some banks are members of industry led alliances which seek to bring together companies working to align their lending and investment portfolios with net zero emissions.

Membership often involves commitments to publish dated targets in an agreed timeframe, to regularly report on the progress against those targets and to adhere to industry best practice in reporting.

An example is the Net-Zero Banking Alliance\[16\]. Membership requires banks to commit to transition their GHG emissions from their lending and investment portfolios to align to net zero by 2050 or sooner. Signatories also commit to a number of steps to support this objective, including setting interim targets for 2030 and disclosing progress made against a board-level reviewed transition strategy.

16 [https://www.unepfi.org/net-zero-banking/](https://www.unepfi.org/net-zero-banking/)
5. **Banks** (continued)

**TCFD Supplemental Guidance for the Financial Sector**

The TCFD Supplemental Guidance for Banks recommends that banks should provide the metrics used to assess the impact of transition and physical climate related risks on their lending and other financial intermediary business activities in the short, medium, and long term.

It suggests that the metrics provided could include credit exposures, equity and debt holdings, or trading positions broken down by factors such as industry, geography, credit quality and average tenure.

It also recommends that banks provide the amount and percentage of carbon related assets relative to total assets as well as the amount of lending and other financing connected with climate related opportunities.

The two largest banks in our sample provided some of this information in their annual reports, with additional data provided in supplemental reports on their website.

**Explaining changes to data**

As climate reporting develops, there will continue to be changes to previously reported data. The development and disclosure of clear policies on how companies will reflect such changes in their metrics would aid users in understanding these evolutions.

**Barclays PLC, Annual Report, 31 December 2022, p87**

*Outlines approach to reporting financed emissions when there are changes in data*

**Financial statements impact**

No bank quantified the financial effect of climate change on the financial statements, and four banks explicitly stated that they did not consider the quantitative impact to be material at this time.
6. Asset managers
6. **Asset managers**

**Sector overview**

The TCFD Supplemental Guidance for the Financial Sector identifies the important role of asset managers as preparers of climate-related financial disclosures to foster an early assessment of climate-related risks, facilitate market discipline and provide a source of data that can be analysed at a systemic level. This guidance also notes the unusual situation of asset managers of being constrained to invest within the guidelines specified by their clients who, as owners of the underlying assets, bear the major portion of the potential transition and physical risks to which their investments are exposed.

Asset managers vary considerably in their sophistication in the management and reporting of climate risk. Some front-runners have voluntarily been complying with TCFD requirements for several years, and have sophisticated climate risk management and reporting in place, while others are just starting out on this journey.

To assess the maturity and quality of the disclosure of climate-related metrics and targets within this market, we reviewed the reporting of four large asset managers (two from the FTSE 100 and two from the FTSE 250) together with one smaller company in an allied business that faces many of the same challenges in managing and reporting climate risk. For brevity, all five companies will be referred to as asset managers in this report.

**Key findings**

- Most asset managers have set a net zero target for 2050, and the majority also have some interim emissions targets in place. In most cases the net zero target includes Scope 1, 2 and 3 emissions.

- All five asset managers either presented some financed emissions from their investment portfolios or intend to do so next year; the majority of these were calculated in line with the PCAF industry standard.

- Most also presented a temperature alignment metric, although there is not yet a commonly accepted approach to temperature alignment calculations.

- Only one company provided data regarding the potential financial impact of climate change on the group's assets and income.
6. Asset managers (continued)

Location and presentation of disclosures

Asset managers took a variety of approaches to presenting their TCFD metrics and targets, with some including the information in the strategic report, and others including some or all of the information in a completely separate report.

If a large number of detailed metrics are included in the strategic report, companies should make clear which are key metrics of strategic importance and which are less significant and/or included for other reasons.

- For our clients’ investments, we review greenhouse gas (GHG) emissions using absolute and intensity measures, and track implied temperature scores.
- For our own operations, we review and measure GHG emissions in our offices, company car fleet, business travel and supply chain.
- As an investment manager, our Scope 3 category 15 (financed emissions) represents our greatest exposure to climate-related risks.
- The combined Scope 1 and 2 carbon footprint for in-scope1 AUM was 59.1 MtCO₂e. The temperature score for the combined Scope 1 and 2 GHG emissions at portfolio level was 2.6°C.
- Our Scope 1 GHG emissions were 789 tCO₂e (29% reduction since 2019). Our Scope 2 location-based GHG emissions were 3,711 tCO₂e (35% reduction since 2019). 95% of our global electricity consumption was from renewable sources.
- Our Scope 3 business travel GHG emissions were 8,675 tCO₂e (60% reduction since 2019). 25% of our suppliers in-scope1 (by GHG emissions) have set a science-based target.
- For our clients’ investments our target is to align 100% of Scope 1, 2 and 3 temperature score for in-scope1 listed equity, corporate bonds, real estate investment trusts (REITs) and exchange-traded funds (ETFs) holdings from 3.2°C in 2019 to 1.5°C by 2040.
- For our own operations our targets are to reduce absolute Scope 1 and 2 emissions by 46% by 2030 from a 2019 base year; increase sourcing of renewable electricity to 100% by 2025; reduce absolute business travel emissions by 50% by 2030 from a 2019 base year; and work with our suppliers so that 67% of suppliers (by GHG emissions) will have science-based targets by 2026.

Schroders plc, Annual Report and Accounts, 31 December 2022, p47
6. **Asset managers** (continued)

**Net zero targets**

All but one of the asset managers reviewed set a net zero target for 2050 covering all three scopes of greenhouse gas emissions. Three of these also set interim emission reduction targets for Scope 1 and 2 and at least some operational Scope 3 emissions by 2030; one also set an interim target for financed emissions, and a further one set interim temperature alignment targets for the investment portfolio. The one company without an overall net zero target nevertheless set an interim target for Scope 1 and 2 emissions for 2030. Some asset managers also set earlier net zero targets for certain elements of their businesses.

Three of the asset managers reviewed are members of the Net Zero Asset Managers’ initiative (NZAMi)17. Membership of this group requires asset managers to support the goal of net zero greenhouse gas emissions, and to support investing aligned with net zero emissions, by 2050 or sooner. Signatories also commit to a number of steps to support these objectives, including setting interim targets for 2030 and implementing a stewardship and engagement strategy.

The NZAMi recognises and endorses three target setting approaches:

- Paris Aligned Investment Initiative’s Net Zero Investment Framework (NZIF);
- Science Based Targets initiative for Financial Institutions (SBTi); and
- Net Zero Asset Owner Alliance Target Setting Protocol (TSP).

The net zero targets of two of the asset managers reviewed had been validated by the SBTi.

One requirement of the NZAMi group is to set an interim target for the proportion of assets to be managed in line with the attainment of net zero emissions by 2050 or sooner, with a view to ratcheting up the proportion of assets under management covered until 100% of assets are included. This led to some fairly complex targets addressing the proportion of assets to be covered by a net zero target by certain dates.

Whilst these targets were reasonably well explained in the detailed narrative, care needs to be taken if complex targets are summarised into a brief headline, to ensure that the meaning is not lost.

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17 [https://www.netzeroassetmanagers.org/commitment/](https://www.netzeroassetmanagers.org/commitment/)
6. Asset managers (continued)

Transition plans

Two asset managers published transition plans on their websites; a third plans to do so within the next year.

Companies with published transition plans were generally better able to describe the concrete actions being taken to reach the targets set.

Other targets

Asset managers also set targets in a number of other areas, including relating to:

- own renewable energy usage;
- engagement with suppliers;
- engagement with investee companies on climate-related matters;
- emissions intensity for investments in certain sectors; and
- investment in thermal coal.

Net zero actions

Our transition implementation strategy focuses on four actions:

- Engaging with investees to ensure they have net zero targets, ideally verified by SBTi.
- Engaging with clients to encourage a move towards Paris-alignment of mandates and fund objectives.
- Increasing capital directed to climate solutions, companies and projects.
- Transitioning portfolios, or if unsuccessful, divesting.

These are supported by:

- Collective action to accelerate investee alignment with the Paris Agreement climate goals.
- Collaboration with regulators and other organisations to improve climate data reporting and standardise measurement methodologies.
- Continual development of our own processes, data and reporting, so we can deliver on our plans and commitments effectively with clear accountability.
- Growing our range of sustainability and climate-focused investment strategies.
- Continued implementation of the asset manager Thermal Coal Investment Policy, especially with a just-transition focus in non-OECD countries.

M&G plc, Annual Report and Accounts, 31 December 2022, p77

Over the course of 2022, nine new coal engagements were initiated, in addition to the 18 started in 2021, prior to the policy coming into effect.

Of the nine engagements undertaken in 2022, three were successful, resulting in those companies being compliant with the coal policy and eligible for investment. Two of the engagements were unsuccessful, resulting in those investees being added to the coal exclusions list and divested. The remainder will be followed up in 2023.

M&G plc, Annual Report and Accounts, 31 December 2022, p80
6. **Asset managers** (continued)

**Choice of metrics**

A number of metrics are specifically recommended by the TCFD Supplemental Guidance for Asset Managers. These include, where relevant:

- GHG emissions for assets under management and weighted average carbon intensity for each product or investment strategy, calculated in line with the PCAF Standard or a comparable methodology;
- other carbon footprinting metrics considered useful for decision-making, such as carbon footprint (tCO₂/$m invested);
- metrics used to assess climate-related risks and opportunities in each product or investment strategy; and
- exposure to carbon-related assets.

Most of the asset managers reviewed presented at least some of the recommended carbon footprinting metrics, as discussed in more detail in the following section.

Two of the companies reviewed disclosed the amount of assets invested in ethical or ESG-focused funds, green bonds, or assets aligned with the EU Taxonomy. In addition, one disclosed its fossil fuel exposure, including revenue from power generation, as well as the amount of assets exposed to climate hazards.

A wide range of other metrics were also presented, including those relating to waste generation, resource consumption and employee training.

Some of these metrics clearly related to the targets set, but in other cases it was not clear why the metrics were being presented or how they were linked to the transition plan or to the climate-related opportunities and risks identified.

We expect companies to consider the risks and opportunities to which they are exposed and the information that is most relevant to their measurement and monitoring when determining which metrics to report.

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**Fossil fuel and EU Taxonomy-aligned/Green bond exposure (public assets)**

<table>
<thead>
<tr>
<th></th>
<th>2022</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fossil fuel exposure (excl. revenue from power generation - £m)</td>
<td>8,780</td>
<td>8,487</td>
</tr>
<tr>
<td>Fossil fuel exposure (excl. revenue from power generation - %)</td>
<td>5.0%</td>
<td>4.6%</td>
</tr>
<tr>
<td>Fossil fuel exposure (revenue from fossil fuel power generation - £m)</td>
<td>1,157</td>
<td>1,029</td>
</tr>
<tr>
<td>Fossil fuel exposure (revenue from fossil fuel power generation - %)</td>
<td>0.7%</td>
<td>0.8%</td>
</tr>
<tr>
<td>EU Taxonomy-aligned (£m)</td>
<td>6,585</td>
<td>5,115</td>
</tr>
<tr>
<td>EU Taxonomy-aligned (%)</td>
<td>3.8%</td>
<td>2.5%</td>
</tr>
<tr>
<td>Green bonds - Corporate (£m)</td>
<td>2,795</td>
<td>1,955</td>
</tr>
<tr>
<td>Green bonds - Corporate (%)</td>
<td>1.6%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Green bonds - Non-corporate (£m)</td>
<td>259</td>
<td>-</td>
</tr>
</tbody>
</table>

M&G plc, Annual Report and Accounts, 31 December 2022, p83
6. Asset managers (continued)

Scope 3 GHG emissions

All of the asset managers disclosed at least some Scope 3 emissions, except for one newly premium listed company that was awaiting reliable data to enable disclosure of Scope 3 emissions the following year.

Category 15 emissions from investments (otherwise known as ‘financed emissions’ or ‘portfolio emissions’) are by far the most significant element of most asset managers’ total emissions, but the management and reporting of these is often quite separate from that of operational emissions. Perhaps for this reason, all but the newly premium listed company presented some operational Scope 3 emissions from categories 1 to 8 in their SECR disclosures, but presented financed emissions elsewhere in their TCFD reporting.

Better practice examples made the relative significance of different classes of emissions clear in the reporting.

The board believes that the most significant climate-related risk to our company is the potential negative impact on the investment performance of our clients’ portfolios... Whilst the most material aspect of our impact is through the investments we make on behalf of our clients, we continue to work to operate more efficiently, reducing our direct footprint.

Rathbones Group Plc, TCFD Report, 31 December 2022, p15

Financed emissions

Four asset managers reported at least some financed emissions; for two of these the metrics reported covered just over 60% of the total portfolio, although for the other two companies the overall coverage was unclear. Most of the companies disclosed an intention to increase the reporting of financed emissions as data becomes more robust. The types of security most commonly covered by the metrics were listed equities and corporate bonds, although some reporters also included other categories including Exchange-Traded Funds, real estate, sovereign debt and infrastructure.

TCFD requires Scope 3 greenhouse gas emissions to be disclosed “if appropriate”. We would expect financed emissions to be considered material for most asset managers. If an asset manager is not yet able to report all of its financed emissions, the company should consider the implications of this for its statement of consistency with TCFD requirements.

Three companies stated that they calculated their emissions metrics in line with the PCAF Standard. All of these companies disclosed metrics for total carbon emissions (MtCO₂e), carbon footprint (tCO₂e/$m invested) and Weighted Average Carbon Intensity (WACI) (tCO₂e/$m revenue), although these metrics were given varying titles. A fourth company also disclosed some metrics for carbon footprint and WACI, although it was not clear whether or not these were calculated in accordance with the PCAF Standard.

Rathbones Group Plc, TCFD Report, 31 December 2022, p15
6. Asset managers (continued)

Companies should explain the basis of calculation of the metrics used. It is helpful to note if this is in accordance with an industry standard, and to explain if non-standard terminology is used.

We use the industry standard developed by the Partnership for Carbon Accounting Financials (PCAF) to calculate total carbon emissions (equivalent to financed emissions Scope 3 category 15 under PCAF), carbon footprint (equivalent to economic emissions intensity under PCAF) and WACI.

Schroders plc, Climate Report, 31 December 2022, p61

Temperature alignment metrics

Three asset managers disclosed a temperature alignment metric, although there was diversity in the metrics presented:

- One presented a portfolio temperature score calculated in accordance with the CDP-WWF temperature rating methodology18.
- One presented both portfolio warming potential and implied temperature rise as calculated by MSCI19.
- A third also presented implied temperature rise; it was unclear whether or not this was consistent with any industry standard, but the methodology used and limitations were explained.

We encourage companies to be transparent in their reporting of temperature alignment metrics, and to keep peer reporting under review to aid comparability in the absence of standard metrics.

Helpful summary of methodology and limitations

Implied temperature rise

ITRs are a fairly intuitive way to assess transition alignment, by estimating an issuer’s relative share of the remaining global carbon budget consistent with the Paris Agreement. In simple terms, it shows what the global temperature rise would be if the whole economy followed the same emissions pathway as the company, or portfolio, analysed. Due to their simplicity, ITRs are inherently limited and we recognise the following:

- There is no commonly accepted approach to temperature alignment calculations, which makes comparisons across different model outputs problematic.
- The methodology we have used allocates a carbon budget to each company, and compares that company’s progress and expected future emissions against that budget. The calculation is sensitive to sector and geographical emission assumptions.
- It is based on carbon intensity (emissions per unit of revenue for each investee), and on projections of future GHG emissions which are subject to significant uncertainties.
- The portfolio ITR is calculated as the weighted average of individual company ITRs.
- We do not use ITR in isolation, due to the limitations mentioned, but believe it provides useful indications of alignment when viewed in conjunction with other information.

M&G plc, Annual Report and Accounts, 31 December 2022, p85

19 https://www.msci.com
6. **Asset managers** (continued)

**Explanation of metrics used**

Most asset managers provided good definitions and explanations of the metrics used, including their limitations, data sources and any assumptions made.

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**Data limitations of scenario analysis**

There are three aspects of data limitations impacting our scenario analysis, reflecting the current industrywide challenges of climate modelling.

The first aspect is the input data since for most assets modelled, we have used company-specific data sourced from third parties such as Aladdin, Evora or Bloomberg. Many publicly listed companies are measuring and reporting their emissions, which is a required data point for the calculation of climate-related metrics. However, among smaller and privately owned companies, this data is not commonly reported. The second aspect of data limitation relates to lack of high-quality, comprehensive and reliable data upon which the model assumptions are based.

Examples are the lack of high-resolution physical hazard data (at a 5mX5m grid level) or the gaps in data relating to supply-chain reliability, which prohibit models from building explicit intracompany dependencies. Models are developed using proxies where data gaps are present, to ensure conclusions are based on the widest coverage possible.

The last aspect of data limitations relates to the lack of historical data points to calibrate and validate the model outputs. In particular, the lack of historical data on the relationship between climate risks and financial outcomes makes it difficult to interpret modelled outcomes far into the scenario horizon with confidence.

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Schroders plc, Climate Report, 31 December 2022, p61

M&G plc, Annual Report and Accounts, 31 December 2022, p89
6. Asset managers (continued)

Financial impact of climate risk

Given the nature of the asset management business, we would not necessarily expect to see a material impact on the amounts currently recognised in the financial statements due to climate risk. As modelling and data limitations are resolved, it is, however, helpful for companies to provide an indication of the possible future financial impact in the narrative disclosures.

One company provided data regarding the estimated financial impact of identified climate risks on investment valuations and income under different scenarios.

If users of the financial statements might reasonably expect a material climate impact on the financial statements but there is none, it may be helpful for companies to explain the judgements and assumptions on which this conclusion is based. Boilerplate statements that climate risk has been considered or incorporated into assumptions are not helpful.

Visual representations of the modelled impact of different scenarios on asset values and net income

M&G plc, Annual Report and Accounts, 31 December 2022, p86
Appendices
Appendix 1. Regulatory landscape

**Current TCFD reporting requirements**

Under the FCA’s Listing Rules, reporting against the TCFD framework is required for UK premium listed companies for accounting periods beginning on or after 1 January 2021 and for standard listed companies for accounting periods beginning on or after 1 January 2022.

The Companies Act also requires publicly quoted companies, large private companies and Limited Liability Partnerships that meet the relevant thresholds to provide climate-related financial disclosures in the strategic report for year-ends beginning on or after 6 April 2022. The FRC Guidance on the Strategic Report highlights the requirements. We would encourage companies reporting against TCFD or providing Companies Act climate disclosures for the first time to review the expectations in our 2022 TCFD thematic review covering the other TCFD recommendations and climate in the financial statements.

There are also separate TCFD reporting requirements for asset managers, life insurers and FCA-regulated pension providers, which are outside the scope of this thematic review.

**Wider legislative developments**

The ESG legislative landscape remains complex, with different jurisdictional approaches to reporting that may impact UK companies in the future.

In March 2023 the UK government published its Green Finance Strategy setting out plans for the UK’s transition to a net zero economy, outlining actions it intends to take, including the development of a UK Green Taxonomy and a future consultation on Scope 3 reporting.

In June 2023 the International Sustainability Standards Board (ISSB) issued the final IFRS S1 and IFRS S2 standards. IFRS S1 covers General Requirements for Disclosure of Sustainability-related Financial Information, while IFRS S2 specifically addresses Climate-related Disclosures. The adoption of these in the UK will be subject to endorsement by the UK government, according to the mechanism outlined in the Green Finance Strategy, which will consider how the standards fit alongside existing reporting requirements for UK companies in scope. The government’s aim is for an endorsement decision to be made within 12 months of the final standards being published.

The Transition Plan Taskforce, established in 2022, is expected to publish its Disclosure Framework and Implementation Guidance for transition plans in the autumn of 2023, which will then be subject to consultation.

UK companies may also be impacted by developments in other jurisdictions and should keep developments under review where relevant, for example:

- the EU Corporate Sustainability Reporting Directive (CSRD) came into force in January 2023 and will require companies to report sustainability information alongside their financial information in their annual report. UK companies with an EU presence should review legislation to determine whether they are in scope; and

- the US Securities and Exchange Commission proposed rules which would require companies to disclose certain climate-related information, ranging from greenhouse gas emissions, to expected climate risks, to transition plans. These rules would impact both domestic and foreign registrants.
## Appendix 2. Summary of FRC expectations

We expect companies to consider the examples provided of better disclosure and opportunities for improvement and incorporate them in their future reporting where relevant and material. Key expectations are summarised below with page references to relevant sections with more detail.

<table>
<thead>
<tr>
<th>FRC expectations summarised by subject matter:</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clarity of reporting</strong></td>
<td>Consider how to ensure reporting is clear and concise, using the ‘4Cs’ of effective communication when determining the location and format of disclosures, to ensure key messages are not obscured, and use specific cross references to relevant information reported elsewhere.</td>
</tr>
<tr>
<td><strong>Statement of consistency</strong></td>
<td>Provide a clear statement of the extent of consistency with TCFD in the annual report, including all information required by the Listing Rules.</td>
</tr>
<tr>
<td><strong>Data challenges</strong></td>
<td>Provide clear explanations of metrics and targets reported, including, where relevant, any data limitations, methodologies, reporting boundaries and any changes to data.</td>
</tr>
<tr>
<td><strong>Transition plans</strong></td>
<td>Consider the TCFD guidance, including relevant supplemental guidance, when reporting on targets and the plans to meet them.</td>
</tr>
<tr>
<td><strong>Climate-related targets</strong></td>
<td>Clearly explain what ‘net zero’ or ‘carbon neutrality’ terms mean, in the context of the company, ensuring that disclosures about such commitments are not misleading.</td>
</tr>
<tr>
<td></td>
<td>Provide explanations of targets, including relevant information such as the time period, reporting boundaries, the emissions scopes covered and any metrics used to measure them.</td>
</tr>
<tr>
<td></td>
<td>Explain areas of significant challenges or uncertainties, such as new technology, required to meet targets.</td>
</tr>
<tr>
<td></td>
<td>Ensure that linkages between targets are explained if a number of targets need to be met in order to achieve an overall objective.</td>
</tr>
<tr>
<td></td>
<td>Explain whether carbon offsetting represents a significant part of a company’s strategy to reach net zero.</td>
</tr>
<tr>
<td></td>
<td>Provide comparative information alongside current reporting to enable performance against the target to be assessed. If any updates are made to targets, such as restatements or updates to baselines, these should be disclosed and explained.</td>
</tr>
<tr>
<td><strong>Climate-related metrics</strong></td>
<td>Report material cross-sector climate-related metrics and keep relevant standard industry metrics and peer reporting under review.</td>
</tr>
<tr>
<td></td>
<td>Ensure that any linkage between risks and opportunities and metrics used to measure, monitor or manage them is clear, and also explain which metrics are used to track progress on net zero plans.</td>
</tr>
</tbody>
</table>

21 The 4Cs are outlined in our [What Makes a Good Annual Report and Accounts] publication.
### Appendix 2. Summary of FRC expectations (continued)

<table>
<thead>
<tr>
<th>FRC expectations summarised by subject matter:</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Climate-related metrics (continued)</strong></td>
<td></td>
</tr>
<tr>
<td>Consider whether additional disaggregation of metrics and targets by business line or geography would aid understandability.</td>
<td>27, 38</td>
</tr>
<tr>
<td>Provide definitions and methodologies for company-specific metrics.</td>
<td>27, 51</td>
</tr>
<tr>
<td>State and explain the reporting period for the metric if different to the financial statements.</td>
<td>27, 41</td>
</tr>
<tr>
<td>Report Scope 3 GHG emissions where appropriate, explaining reporting boundaries and categories reported, and consider the impact on the statement of consistency with TCFD if material categories are not reported.</td>
<td>28, 42, 50</td>
</tr>
<tr>
<td>Provide comparative data to enable trend analysis and explain material movements, particularly where performance has not met, or has exceeded targets.</td>
<td>29</td>
</tr>
<tr>
<td>Provide internal carbon prices where relevant and explain how they are used by the company. Where this information is presented outside of the annual report and accounts, this should be cross referenced.</td>
<td>31</td>
</tr>
<tr>
<td><strong>Assurance</strong></td>
<td></td>
</tr>
<tr>
<td>Explain the level and scope of any external assurance given, ensuring the terminology used to describe the assurance does not imply a higher level of assurance than has actually been obtained.</td>
<td>32, 62</td>
</tr>
<tr>
<td><strong>Directors’ Remuneration</strong></td>
<td></td>
</tr>
<tr>
<td>Clearly describe climate-related targets and actual achievements against them as part of the Directors’ Remuneration Report, in a manner consistent with the TCFD disclosures.</td>
<td>33</td>
</tr>
<tr>
<td><strong>Impact of targets on the financial statements</strong></td>
<td></td>
</tr>
<tr>
<td>Consider the impact of climate-related targets and transition plans on the financial statements, taking into account the IASB’s educational material.</td>
<td>35, 43, 51</td>
</tr>
<tr>
<td>Provide an appropriate level of disclosure, including any significant judgements or assumptions that have been made in reaching their assessment, when there is a reasonable expectation that the climate-related targets and transition plans could impact the financial statements.</td>
<td></td>
</tr>
</tbody>
</table>

Note: Our expectations above are focused on the Listing Rules requirements for TCFD reporting; when considering these for future reporting periods, companies should also review the UK Climate-Related Financial Disclosures (CFD) requirements (see page 18), where relevant. In particular, we note the following considerations for CFD disclosures:

- These disclosures must be presented in the Non-Financial and Sustainability Information Statement in the Strategic Report.
- CFD disclosures are mandatory, but the legislation allows a company to omit certain disclosures where the directors ‘reasonably believe’ that they are not relevant and a ‘clear and reasoned explanation’ is provided.
- Targets should be linked to the climate-related risks and opportunities to which they relate and the KPIs to assess progress be disclosed.
- CFD does not include emissions reporting as this is covered by SECR, but requires explanations of any changes to KPIs previously disclosed.