



JSE

**DISCLOSURE  
MATRIX FOR  
THE JSE  
SUSTAINABILITY  
DISCLOSURE  
GUIDANCE**

**2022**

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 Page reference for additional reading in this report.

 Reference to online data at <https://group.jse.co.za/investor-relations/reporting-suite>.

# INTRODUCTION

This document serves as a guide to the JSE's sustainability disclosures for 2022.

It is structured in a matrix format and provides easy-to-follow cross-references to the ESG metrics and narrative disclosures in each of the reports that make up the JSE's integrated reporting suite for 2022.

The JSE's Sustainability Disclosure Guidelines published in June 2022 provide a comprehensive framework for sustainability disclosures by South African companies. The JSE has adopted these Guidelines and is on a journey to enhance our reporting over time to align with these Guidelines and with the Task Force for Climate-related Financial Disclosures (TCFD), these can be found in the 2022 Sustainability report.

We welcome feedback on our reporting. Comments on our sustainability disclosures to [ir@jse.co.za](mailto:ir@jse.co.za)

# REPORTING SUITE

Our full reporting suite is available at <https://group.jse.co.za/investor-relations/reporting-suite> and comprises the following reports:

## Integrated annual report

Sets out how the JSE creates value in the context of our business model, strategy, operating context, governance and operational performance.

## Annual financial statements

Sets out our financial results, with the GAC report, director's report and annual financial statements prepared in accordance with IFRS.

## Sustainability report

Sets out our approach to sustainability and our commitments to support and drive sustainable value creation.

## Remuneration report

Sets out the JSE's remuneration philosophy and policy, and how it was implemented in 2022.

## Notice of AGM and proxy form

Sets out the notice of the JSE's AGM of shareholders to be held on 9 May 2023, together with the summarised report containing the required financial disclosures.

# SUSTAINABILITY NARRATIVE DISCLOSURE REFERENCES

## Report name, section title and page reference

### GOVERNANCE

*An organisation should describe the board's oversight of sustainability-related impacts, risks and opportunities, and its process for integrating sustainability issues into the overall governance approach.*

#### Integrated Annual Report

- Fostering good governance, page 134 to 136

#### Sustainability Report

- Report overview, inside front cover to page 2
- Chairman's letter – Group Sustainability Committee, page 5 to 7
- Our strategy, page 15 to 16
- Group Sustainability Committee report, page 40 to 44

### STRATEGY

*An organisation should describe how an assessment of sustainability-related impacts, risks and opportunities has influenced the organisation's strategy, and what impact this has had on the organisation's overall performance, both positive and negative.*

#### Integrated Annual Report

- Material matters, page 2 to 3
- Our strategy, page 31
- Our 2023 corporate scorecard, page 33
- Our risks, page 89 to 90

#### Sustainability Report

- Material matters, page 3 to 4
- Chairman's letter – Group Sustainability Committee, page 5 to 7
- Our strategy, page 15 to 16
- Our environmental impact, page 26 to 31
- Group Sustainability Committee report, page 40 to 44

## MANAGEMENT APPROACH

*An organisation should describe how sustainability-related impacts, risks and opportunities are identified, assessed, and integrated into the organisation's management processes.*

**Integrated Annual Report**

- Material matters, page 2 to 3
- Our strategy, page 31
- Our 2023 corporate scorecard, page 33
- Our risks, page 89 to 90

**Sustainability Report**

- Material matters, page 3 to 4
- Enhance internal sustainability performance, page 17 to 31
- Influence and support better sustainability practices in the market, page 32 to 35
- Grow the span and take-up of relevant sustainability instruments in the market, page 36 to 37
- Participate and engage in national and global sustainability fora, page 38 to 39

## METRICS, TARGETS AND PERFORMANCE

*An organisation should describe the performance metrics and targets used by the organisation to measure, monitor, and manage its sustainability impacts, risks and opportunities, and its performance against these metrics and targets.*

**Integrated Annual Report**

- Material matters, page 2 to 3
- Our strategy, page 31
- Our 2023 corporate scorecard, page 33
- Our risks, page 89 to 90

**Sustainability Report**

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- Our strategy, page 15 to 16
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# GOVERNANCE METRICS REFERENCES

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>BOARD COMPOSITION</b>			
<b>Board diversity and competence</b>	C	Composition of the board and its committees by race, gender, age group (under 30, 30 50, over 50) and, where relevant, any under-represented social groups.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Introducing our leadership teams, page 108 to 113</li> <li>Maintaining effective governance structures, page 119 to 120</li> </ul>
<b>Board competence</b>	C	Description of the specific skills, competencies, and experience on the Board to address the organisation's significant sustainability-related impacts, risks, and opportunities.	
<b>Board independence</b>	C	Composition of the board regarding: executive or non-executive; independence; tenure on the governance body; and number and nature of each individual's other significant positions and commitments.	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>REMUNERATION</b>			
<b>Remuneration practices</b>	C	How the remuneration policies for board members and senior executives relate to their objectives and performance in relation to delivery of the organisation's strategy and management of its impacts on people, the environment and the economy, noting the split between fixed pay and variable pay, and with variable pay split into short- and long-term incentives.	<b>Remuneration Report:</b> <ul style="list-style-type: none"> <li>Short-term performance, page 29 to 32</li> <li>Long-term performance, page 33 to 35</li> </ul>
<b>ETHICAL BEHAVIOUR</b>			
<b>Anti-corruption</b>	C	Total percentage of governance body members, employees and business partners who have received training or awareness-raising on the organisation's anti-corruption policies and procedures, broken down by employee category and region.	We have relevant policies in place, however no formal training was conducted in 2022
	C	Total number and nature of incidents of corruption confirmed during the current year, related to this year and previous years, with a description of the activities taken to address confirmed incidents, and of the outcomes of these activities.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Reinforcing our ethics, page 75</li> <li>Our top risks, page 91</li> <li>Compliance and risk, page 139 to 140</li> </ul>
	C	A description of: <ol style="list-style-type: none"> <li>the internal and external grievance mechanisms (including whistle-blowing facilities) for reporting concerns about unethical or unlawful behaviour and lack of organisational integrity;</li> <li>mechanisms for seeking advice about ethical and lawful behaviour and organisational integrity;</li> <li>the extent to which these various mechanisms have been used, and the outcomes of processes using these mechanisms.</li> </ol>	<b>Sustainability Report</b> <ul style="list-style-type: none"> <li>Chairman's letter – Group Sustainability Committee, page 7</li> <li>Reinforcing our ethics, page 23</li> <li>Report on statutory requirements, page 43</li> </ul>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>ETHICAL BEHAVIOUR</b>			
<b>Anti-corruption</b>	L	Discussion of initiatives and stakeholder engagement to improve the broader operating environment and culture, to combat corruption.	We are a member of Business Leadership South Africa (BLSA) and we are a sponsor of Business Against Crime. From time to time, we host engagements with government entities to address specific economic challenges, for example, last year we hosted events with the Eskom CEO to discuss the electricity crisis and how private companies can assist in resolving this crisis
<b>Lobbying and political contributions</b>	C	Total monetary value of financial and in-kind political contributions made directly and indirectly by the organisation, by country and recipient/beneficiary.	The JSE does not make financial or in-kind political contributions
	C	Identify the significant issues that are the focus of the company's participation in public policy development and lobbying, including within any business association that the company is a member of; describe the company's strategy relevant to these areas of focus, identifying any differences between its lobbying positions and its purpose, policies, goals and other public positions.	<p><b>Integrated Annual Report:</b></p> <ul style="list-style-type: none"> <li>Our stakeholders – collaborating with diverse stakeholders, page 96 and 99</li> </ul> <p><b>Sustainability Report</b></p> <ul style="list-style-type: none"> <li>Influence and support better sustainability practices, page 32 to 35</li> <li>Participate and engage in national and global fora, page 38 to 39</li> </ul>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>COMPLIANCE AND RISK MANAGEMENT</b>			
<b>Incidents</b>	C	Number and nature of significant environmental, social and/or governance related incidents during the reporting period, including incidents of legal non-compliance (whether under investigation, pending finalisation, or finalised) and directives, compliance notices, warnings or investigations, and any public controversies.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Compliance and risk, page 139 to 140</li> </ul>
<b>Fines and monetary loss</b>	C	Total number and monetary value of fines, settlements, penalties, and other monetary loss suffered in relation to ESG incidents or breaches, including individual and total cost of the fines, settlements and penalties paid in relation to ESG incidents or breaches; and description of plans to address any incidents or breaches.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Compliance and risk, page 139</li> </ul>
<b>TAX TRANSPARENCY</b>			
<b>Tax paid and estimated tax gap</b>	C	A description of the organisation's approach to tax, including: <ol style="list-style-type: none"> <li>whether the organisation has a tax strategy and, if so, a link to this strategy if publicly available;</li> <li>the governance body or executive-level position within the organisation that formally reviews and approves the tax strategy, and the frequency of this review;</li> <li>how its approach to tax is linked to the business and sustainability strategies of the organisation.</li> </ol>	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Our stakeholders – collaborating with diverse stakeholders, page 97</li> <li>Compliance and risk, page 140</li> </ul> <b>Annual financial statements</b> <ul style="list-style-type: none"> <li>Refer to note 8.1. The JSE contributes taxes in accordance with prevailing laws, norms and standards</li> </ul>
	C	For each tax jurisdiction: the total global tax borne by the company, including corporate income taxes, property taxes, non-creditable VAT and other sales taxes, employer-paid payroll taxes and other taxes that constitute costs to the company, by category of taxes.	<b>Annual financial statements</b> <ul style="list-style-type: none"> <li>Page 59, note 8.1</li> </ul>
	L	Extent of exposure to countries and jurisdictions recognised for their corporate tax rate, tax transparency and tax haven status; estimated tax gap (gap between estimated effective tax rate and estimated statutory tax rate).	The JSE is only exposed to South African tax laws and regulation

# SOCIAL METRICS REFERENCES

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
LABOUR STANDARDS			
Diversity and inclusion	C	Percentage of employees per employee category by race, gender, age group (under 30, 30-50, over 50), and where relevant other diversity indicators.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Strengthening diversity and fostering equality, page 76</li> </ul> <b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Employment equity, page 21</li> </ul>
	C	Number of allegations and confirmed incidents of discrimination and/or human rights incidents relating to workers incidents during the reporting period, noting the investigation status of reported and actual incidents, actions taken, and total amount of monetary losses due to legal proceedings associated with labour law violation, employment discrimination, and/or human rights violations.	<b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Report on statutory requirements, page 42</li> </ul>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation	
<b>LABOUR STANDARDS</b>				
<b>Pay equality</b>	C	Ratio between the CEO's total annual remuneration and the median, lower quartile, and upper quartile of the total annual remuneration of all the organisation's employees (excluding the CEO).	<b>Remuneration Report:</b> <ul style="list-style-type: none"> <li>Fair and responsible remuneration, page 36</li> </ul>	
	L	The ratio of the average annual remuneration of the top 10% of the organisation's top earners, and the average annual remuneration for the bottom 10% of the lowest earners in the organisation.		
	C	The total annual remuneration of both the highest paid employee and the lowest paid employee; the average remuneration; and the median remuneration of all employees.		
	C	Ratio of the total annual remuneration of women to men, and by race group, for each employee category, by 'significant locations of operation' (as defined by the organisation).		
<b>Wage level and living wage</b>	C	When a significant proportion of employees are compensated based on wages subject to minimum wage rules, report the relevant ratio of the standard entry level wage by race and gender compared to the applicable legislated minimum wage for the sector.		The JSE does not have any employees that are compensated based on minimum wage rules. Refer to the declaration link: <a href="https://group.jse.co.za/governance/ethical-governance">https://group.jse.co.za/governance/ethical-governance</a>
	C	Ratio of lowest wage to living wage for employees and non-employee workers for each significant location of operation.		
	L	Percentage of employees and non-employee workers whose wages fall below a specific living wage methodology or benchmark.		

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
LABOUR STANDARDS			
<b>Freedom of Association and Collective Bargaining</b>	C	Describe how the organisation manages freedom of association and collective bargaining, noting any policy or policies considered likely to affect workers' decisions to form or join a trade union, to bargain collectively or to engage in trade union activities.	<b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Report on statutory requirements, page 42</li> </ul> Also see HR Declaration: <a href="https://group.jse.co.za/governance/ethical-governance">https://group.jse.co.za/governance/ethical-governance</a>
	C	Percentage of total employees covered under collective bargaining agreements.	The JSE does not have any recognised trade union and operates in a non-unionised environment
	C	Disclose the extent of major work stoppages (including both strikes and lockouts) due to disputes between the undertaking and its workforce, including the number of major work stoppages, and for each: number of workers involved; length in days of stoppage, reasons, and steps taken to resolve each dispute.	There were no work stoppages due to strikes or lockouts
	L	An explanation of the due diligence assessment performed on suppliers for which the right to freedom of association and collective bargaining is at risk including measures taken by the organisation to address these risks.	We have not as yet assessed our suppliers for this metric and will consider this as part of our evolving practices

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
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## LABOUR STANDARDS

<b>Characteristics of employees and workers in workforce</b>	C	Describe key characteristics of employees in own workforce, including: total number of all employees by country; permanent employees; temporary employees; non-guaranteed hours employees; full-time employees; and part-time employees – with breakdown by race and gender for each.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Our employee complement, page 72</li> <li>Developing our employees, page 73</li> <li>Strengthening diversity and fostering equality, page 76</li> </ul> <b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Employment equity, page 21</li> </ul>
	C	Describe key characteristics of non-employee workers in the organisation's own workforce, including: total number of non-employee workers, noting the most common type of workers and their relationship with the organisation.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Our employee complement, page 72</li> </ul>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
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COMMUNITY DEVELOPMENT

<b>Community human rights</b>	C	Total number and percentage of operations that have been subject to a human rights due diligence process or impact assessments, by country.	Due to the nature of the JSE’s business as a financial market infrastructure, we do not have a direct impact on communities. We will continue to assess this metric
	C	Nature of processes for engaging with affected communities and their representatives, and channels for affected community members to raise concerns.	
	C	Number and type of grievances reported with associated impacts related to a salient human rights issue in the reporting period, and an explanation of the % of these that are remedied in agreement with those who expressed the grievance.	Due to the nature of the JSE’s business as a financial market infrastructure, we do not have a direct impact on communities. We will continue to assess this metric
	L	Number and percentage of relevant sites (typically those involved in extracting, harvesting, or developing natural resources or energy) that implement a human rights and security approach consistent with the Voluntary Principles on Security and Human Rights.	Engagement with stakeholders is done on an ongoing basis as described in our stakeholder chapter in our annual report: <a href="https://group.jse.co.za/investor-relations/reporting-suite">https://group.jse.co.za/investor-relations/reporting-suite</a>
	L	Number and percentage of sites at which the ownership, use of or access to land is contested, and an explanation of actions taken to address related social risks.	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>COMMUNITY DEVELOPMENT</b>			
<b>Skills for the future</b>	C	Describe the employee and external skills development programmes aimed at developing skills that increase the recipient's future mobility, career development, and/or income earning potential.	<p><b>Integrated Annual Report:</b></p> <ul style="list-style-type: none"> <li>Contributing to transformation, page 68 to 69</li> <li>Developing our employees, page 73 to 74</li> </ul> <p><b>Sustainability Report:</b></p> <ul style="list-style-type: none"> <li>Developing our people, page 19 to 20</li> <li>Corporate social investment, page 24 to 25</li> </ul>
<b>Employment and wealth creation</b>	C	Total number and rate of new employee hires during the reporting period, by age group, gender, other indicators of diversity, and region.	<p><b>Integrated Annual Report:</b></p> <ul style="list-style-type: none"> <li>Our employee complement, page 72</li> </ul>
	C	Total number and rate of employee turnover (for permanent employees) during the reporting period, by age group, gender, other indicators of diversity, and region.	<p><b>Integrated Annual Report:</b></p> <ul style="list-style-type: none"> <li>Our employee complement, page 72</li> </ul>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>COMMUNITY DEVELOPMENT</b>			
<b>Economic contribution</b>	C	<p>Direct economic value generated and distributed (EVG&amp;D) on an accrual basis, covering the basic components for the organisation's global operations, ideally split out by:</p> <ul style="list-style-type: none"> <li>(i) Revenue</li> <li>(ii) Operating costs</li> <li>(iii) Employee wages and benefits</li> <li>(iv) Payments to providers of capital</li> <li>(v) Payments to government (taxes, royalties, levies, etc.)</li> <li>(vi) Community investment (including charitable giving, impact investment and other social investment).</li> </ul>	<p>Currently the JSE reports on our financial elements through our Annual financial statements. We also report on our community investment in our sustainability report, page 23 to 25</p>
	C	<p>Description of significant identified indirect economic impacts of the organisation, including for example: number of jobs supported in supply or distribution chain; number of suppliers/enterprises supported from defined vulnerable groups; nature of economic development in areas of high poverty; availability of products and services for those on low incomes or previously disadvantaged; enhanced skills and knowledge in a professional community or geographic location.</p>	<p><b>Sustainability Report:</b></p> <ul style="list-style-type: none"> <li>• Our sustainability approach, page 12 to 14</li> <li>• Measuring our impact, page 24 to 25</li> </ul>
	C	<p>Percentage of the procurement budget used for significant locations of operation that is spent on local suppliers, noting the organisation's definitions of 'local' and for 'significant locations of operation'.</p>	<p><b>Integrated Annual Report:</b> Contributing to transformation, page 68</p>
	L	<p>Description (quantitative and qualitative) of the extent of significant infrastructure investment and services supported.</p>	<p>Due to the nature of the JSE's business as a financial market infrastructure, this is not relevant</p>
	L	<p>Total monetary value of financial assistance received by the organisation from any government during the reporting period.</p>	<p>The JSE does not receive financial assistance from any government</p>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>HEALTH AND SAFETY</b>			
<b>Workplace health and safety</b>	C	Number and rate of fatalities as a result of a work-related injury or ill-health during the reporting period across the organisation; the disclosure should include both employees and workers who are not employees, but whose work and/or workplace is controlled by the organisation.	<p><b>Integrated Annual Report:</b></p> <ul style="list-style-type: none"> <li>Our employee complement, page 72</li> </ul> <p><b>Integrated Annual Report:</b></p> <ul style="list-style-type: none"> <li>Employee wellbeing, page 74</li> </ul> <p><b>Sustainability Report:</b></p> <ul style="list-style-type: none"> <li>Employee wellbeing, page 20</li> </ul>
	C	Number of recordable work-related injuries, and number of work-related illnesses or health conditions arising from exposure to work-related hazards during the reporting period; the disclosure should include both employees and workers who are not employees, but whose work and/or workplace is controlled by the organisation.	
	L	An explanation of how the organisation facilitates workers' access to nonoccupational medical and healthcare services and the scope of access provided for employees and workers, and a description of any voluntary health promotion services and programmes offered to workers to address major non-work-related health risks, including the specific health risks addressed.	
<b>CUSTOMER RESPONSIBILITY</b>			
<b>High risk products and services</b>	C	Description of products and services that present specific risks to individuals, communities, or the environment; an outline of the nature of these risks, and the measures taken to mitigate these.	Considering the nature of the JSE's business as a financial market infrastructure, this is a metric we will evaluate over time
	C	Number and nature of any product recalls.	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>CUSTOMER RESPONSIBILITY</b>			
<b>Product innovation</b>	C	Total research and development spend.	Considering the nature of the JSE's business as a financial market infrastructure, this is a metric we will evaluate over time  <b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Capital Markets insight, page 50</li> </ul> <b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Grow the span and take-up of sustainability instruments, page 36 to 37</li> </ul>
	L	Total costs related to research and development aimed at enhancing social or environmental attributes of products and services.	
	L	Percentage of revenue from products and services designed to deliver specific social or environmental benefits or to address specific sustainability challenges; if the company applies a taxonomy or benchmark to label their activities as sustainable, they should report on the benchmark used and how they meet the criteria of the benchmark.	
<b>Consumer data and privacy</b>	C	A description of the mechanisms and steps taken to ensure privacy of consumer data.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Driving PoPIA compliance, page 64</li> </ul>
	C	Total number of substantiated complaints received concerning breaches of customer privacy (categorised by complaints received from outside parties and substantiated by the organisation, and complaints from regulatory bodies), and total number of identified leaks, thefts, or losses of customer data.	<b>Integrated Annual Report:</b> <ul style="list-style-type: none"> <li>Driving PoPIA compliance, page 64</li> </ul> There were no complaints or breaches

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
SUPPLY CHAIN			
<b>Supply Chain (social)</b>	C	Description of the operations and suppliers considered to have a significant risk of child labour, forced or compulsory labour, or other significant actual and potential negative social impacts, given the type of operation, commodities, or geographic region, and the nature of the measures taken by the organisation intended to contribute to eliminating these risks.	Considering the nature of the JSE's business as a financial market infrastructure, this is a metric we will evaluate over time
	C	The number and percentage of identified child labour, or forced and compulsory labour incidents in its operations or value chain; and percentage of these where the reporting entity has played a role in securing remedy for those affected.	
	C	Report wherever material across the supply chain: mechanisms (eg supplier screening, and audits) to identify and address significant actual and potential negative social impacts, nature of these impacts, and measures to address these.	
	L	% of products certified by external agencies, % of traceable origin.	

# ENVIRONMENTAL REFERENCES

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
CLIMATE CHANGE			
GHG emissions	C	<p>Absolute gross greenhouse gas emissions expressed as metric tonnes of CO<sub>2</sub> equivalent and measured in accordance with the Greenhouse Gas Protocol for: Scope 1, Scope 2, and Scope 3 emissions.</p> <p>Scope 1 and Scope 2 emissions should be disclosed separately for (i) the consolidated accounting group (the parent and its subsidiaries) and (ii) associates, joint ventures, unconsolidated subsidiaries or affiliates not included in (i).</p>	<p><b>Sustainability Report:</b></p> <ul style="list-style-type: none"> <li>Managing our energy consumption, page 30 to 31</li> </ul>
	L	<p>Scope 3 emissions should include upstream and downstream emissions. The categories of Scope 3 emissions and basis for measurement for information provided by entities in the value chain should be disclosed. Recognising the challenges related to the disclosure of Scope 3 emissions, including data availability, reasons should be provided when Scope 3 emissions or categories of Scope 3 emissions are omitted.</p>	
	C	<p>GHG emissions intensity for Scope 1, 2 and 3, expressed as metric tonnes of CO<sub>2</sub> equivalent per unit of physical or economic output.</p>	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
CLIMATE CHANGE			
Energy mix	C	Total energy use and share of energy usage by generation type noting use of energy from renewable non-fossil sources, (namely wind, solar (solar thermal and solar photovoltaic) and geothermal energy, ambient energy, tide, wave and other ocean energy, hydropower, biomass, landfill gas, sewage treatment plant gas, and biogas).	<b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Managing our energy consumption, page 30</li> </ul>
Science-based targets	L	Define and report progress against time-bound short-, medium-, and long-term science-based GHG emissions targets that are in line with the goals of the Paris Agreement and Glasgow Climate Pact. This includes reducing global carbon dioxide emissions by 45% by 2030 relative to the 2010 level, and to net zero around mid-century, based on the best available scientific knowledge and equity, taking into account common but differentiated responsibilities and respective capabilities, and in the context of sustainable development and efforts to eradicate poverty. Science-based emissions reduction targets should be informed by recognised scientific methodologies and verified through approved processes; they should (as an absolute minimum) be consistent with relevant host country/ies' Nationally Determined Contribution.	<b>Sustainability Report:</b> <ul style="list-style-type: none"> <li>Managing our energy consumption, page 31</li> </ul>

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>CLIMATE CHANGE</b>			
<b>Just transition</b>	C	Existence and nature of a 'transition plan' that commits to stakeholder engagement with affected workers and communities.	The JSE is not an emission intensive organisation but we are committed to managing our carbon footprint responsibly as shown in our sustainability report, page 27 to 31
	C	Number of workers in the past year recruited, retrained, retrenched, and/or compensated due to implementation of the decarbonisation plan.	
	L	Number of engagements undertaken with affected parties by group and geography.	
	L	Nature of climate-related lobbying activities, and those of relevant associations and membership groups, and their alignment with the objectives of the Paris Agreement and Glasgow Climate Pact.	<b>Sustainability Report</b> <ul style="list-style-type: none"> <li>Influence and support better sustainability practices, page 32 to 35</li> <li>Grow the span and take-up of sustainability instruments, page 36 to 37</li> <li>Participate and engage in national and global fora, page 38 to 39</li> </ul>
	L	Nature of provision for delivery of the transition plan within executive remuneration.	Considering the nature of the JSE's business as a financial market infrastructure, this is a metric we will evaluate over time
	L	Nature of provision for impacts on workers and communities within climate scenario plans.	
	L	Amount of capital and expenditure deployed on direct and indirect climate adaptation and climate mitigation efforts.	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
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**WATER SCARCITY**

<b>Water usage</b>	C	Total water consumption from all areas, and from areas with water stress.	Considering the nature of the JSE’s business as a financial market infrastructure, this is a metric we will evaluate over time The JSE consumed 8,798 kilolitres of water during the reporting period
	L	Total water withdrawal from all areas with water stress, with a breakdown by following sources if applicable: surface water, groundwater, seawater, produced water, third-party water.	
	L	Freshwater consumption intensity: total freshwater use per material unit (eg sales revenue, unit of production, m <sup>2</sup> of building, or other).	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
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**BIODIVERSITY AND LAND USE**

<b>Biodiversity footprint (ecosystems)</b>	C	Number and area of sites owned, leased, or managed in or adjacent to areas of high biodiversity value (Key Biodiversity Areas – KBAs), for operations (if applicable) and full supply chain (if material).	The JSE does not directly impact any high value biodiversity areas but we do support the broader conservation agenda through our sponsorship towards Conservation SA, refer to our sustainability report
	C	Area of land used for the production of basic plant, animal or mineral commodities (e.g. the area of land used for forestry, agriculture or mining activities).	
	C	Level of capital and expenditure deployed towards implementation of measures undertaken to manage positive impacts and avoid, minimise, restore/rehabilitate and/or offset negative impacts on biodiversity and ecosystems.	
	L	Describe wherever material across the value chain mechanisms aimed at enhancing management of biodiversity and ecosystem impacts (such as policies, targets, certifications, and audits).	
	L	Describe and report results of any processes aimed at identifying, assessing and/or managing the biodiversity footprint of the organisation, including for example: size and location of all habitat areas protected or restored, and whether the success of the restoration measure was or is approved by independent external professionals; and status of each area based on its condition at the close of the reporting period, noting the standards and methodologies used.	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
<b>POLLUTION AND WASTE</b>			
<b>Solid waste</b>	C	Total weight of waste generated (non-recycled), with a breakdown by composition of waste, noting % directed to disposal (including landfill and incineration), and % diverted from disposal (eg reuse, recycling, recovery).	The JSE is in the process of refining our data collection on pollution and waste activity and we will report our progress in due course
	C	Total weight of hazardous waste generated, noting % directed to disposal (including landfill and incineration), and % diverted from disposal (eg reuse, recycling, recovery).	
	C	Waste intensity: total waste per material unit (eg sales revenue, unit of production, or other).	
<b>Single use plastic</b>	L	Report wherever material along the value chain: estimated metric tonnes of single-use plastic consumed and share (%) of single-use plastic weight of total plastic weight.	
<b>Atmosphere pollution</b>	C	Report wherever material along the value chain: nitrogen oxides (NOx), sulphur oxides (SOx), volatile organic compounds (VOC), persistent organic pollutants (POP), particulate matter, and other significant air emissions identified in relevant regulations.	
	L	Wherever possible estimate the proportion of specified emissions that occur in or adjacent to urban/densely populated areas.	
<b>Water pollution</b>	L	Total water discharge to all areas in megalitres, and list of priority substances of concern for which discharges are treated, including how these substances were defined, approach to setting discharge limits, and number of incidents of non-compliance with discharge limits.	

Topic and sub-topic	Core (C) or leadership (L) metric	Required disclosure	Report name, section title and page reference or explanation
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## SUPPLY CHAIN AND MATERIALS

<b>Supply chain (environmental)</b>	L	Report wherever material across the supply chain: mechanisms (eg supplier screening, and audits) to identify and address significant actual and potential negative environmental impacts, nature of these impacts, and measures to address these.	Considering the nature of the JSE's business as a financial market infrastructure, this is a metric we will evaluate over time
<b>Materials of concern</b>	C	Process to identify and manage emerging materials and chemicals of concern in products (materials of concern could include conflict minerals or recognised high impact raw materials such as palm oil).	
	L	Percentage of materials identified in point 1 above that are covered by a sustainability certification standard or formalised sustainability management programme.	



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