

# sition of the cssb **Item 04 – GRI Sector Standards Project** for Oil, Gas, and Coal -**Exposure draft for Coal**

### For GSSB discussion and approval

	6
Date	15 April 2021
Meeting	29 April 2021
Project	Sector Standards for Oil, Gas, and Coal
Description	This document sets out the exposure draft of Sector Standard: Coal, including the explanatory memorandum. These are submitted for GSSB approval for public exposure.
	If approved, it is proposed that public exposure commence in mid-May and run until the end of July.
	<b>Please note:</b> This Standard makes references to the GRI Universal Standards. As the Universal Standards are currently under revision, the references in this draft use the names of the Universal Standards as they were at the time of exposure. The names and other references, along with several figures in the introduction and the glossary terms will be updated to align with the version of the Universal Standards to be submitted to the GSSB for approval in May. This content will be update in this Standard prior to release for public exposure.
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## Background information for the GSSB

2 The GRI Sectors Standards Project for Oil, Gas and Coal was initiated in 2019, and work on a Sector

Standard for oil, gas, and coal commenced following the appointment of a 17-member Working Group
 in mid-2019.

5 In addition to the Working Group, a number of experts and stakeholders were engaged in an external

peer review in February and March 2020 to gather further input on the draft contents. This peer
 review involved over 20 participants representing business, civil society, investor and mediating

a institutions. Peer review feedback reinforced the need to highlight climate change for these sectors.

9 The likely material topics presented were largely confirmed as the correct ones, and the contents

10 were seen as useful from both a reporter's perspective as well as for engagement purposes.

During the course of the project, the GSSB received stakeholder submissions from the oil and gas
 sector raising concerns about addressing oil, gas, and coal in a combined Sector Standard, indicating
 a potential impediment to its uptake. These concerns were echoed by the Oil, Gas, and Coal Working

- If Group, and the GSSB decided in April 2020 to separate coal from the oil and gas contents.
- 15 As a consequence, two Sector Standards one for oil and gas, and one for coal are being
- developed under the auspices of Sectors Standards Project for Oil, Gas and Coal. To strengthen the
- 17 coal expertise, an additional member was appointed to the Working Group, and a program of further
- 18 research on the impacts of the coal sector has been undertaken by the Standards Division.
- 19 The exposure draft for coal incorporates relevant public comment feedback collected to the exposure 20 draft for oil and gas, aligning with these revisions where seen as appropriate by the Working Group.

## 21 Preliminary findings on topic and disclosure gaps

22 It was anticipated that projects for Sector Standards would generate insight on the feasibility of

- 23 developing reporting requirements, recommendations, and/or guidance for the sector. The work on
- coal to date has surfaced some topics and disclosures that might result in recommendations to reviseor develop new GRI Topic Standards.
- 26 All likely material topics included in the exposure draft include at least one Topic Standards
- disclosure, though a number have been supplemented with additional disclosures from outside the
- 28 GRI Standards.

As was expected, in a similar vein to oil and gas, Working Group discussions have been largely

- 30 focused on climate change related topics, namely GHG emissions and Climate adaptation and
- 31 resilience. There has been a strong recommendation from the Working Group to enhance disclosures
- 32 within these topics, specifically related to governance, target setting, and organizations' strategic
- 33 decision-making in the context of the low-carbon transition.
- 34 In addition, the topics of Asset integrity and critical incident management, and Land and resource
- rights did not have clear directly relevant or sufficient Topic Standards disclosures and might result in
- 36 recommendations to revise existing Topic Standards or develop new ones at the completion of the
- 37 project.

## **Public comment**

- 39 The public comment period for the exposure draft of coal is proposed to commence on 19 May and
- run until 30 July 2021. This will run in conjunction with the public comment period for agriculture,
   aquaculture, and fishing.
- The primary objective of the public comment period is to test the clarity, feasibility, completeness andrelevancy of the content, including:
- Whether the topics that have been identified as likely material for organizations in the coal sector, and the way they are described, accurately reflect the sector's most significant impacts on the
- economy, environment, and people, including impacts on their human rights; and



- That the list of disclosures from the GRI Topic Standards and other sources included for each likely
- 48 material topic are relevant for organizations in the sector to report information about their impacts
   49 and approach.
- 50 The public comment will engage stakeholders globally across GRI's key constituencies. All
- 51 engagement will be undertaken remotely.

This document does not represent an official position of the cases



## **52 Explanatory memorandum**

- 53 This explanatory memorandum sets out the objectives of GRI Sector Standards Project for Oil, Gas,
- and Coal. It also includes the significant proposals resulting from this project and summarizes the
- 55 Global Sustainability Standards Board (GSSB)'s involvement and views on development of the draft.

### **56 Objectives for the project**

- The exposure draft for coal is the second Standard being developed under the GRI Sector Standards
  Project for Oil, Gas, and Coal. This is a pilot project for the GRI Sector Program.
- 59 The project aims to identify and describe the sectors' significant impacts and stakeholder expectations
- 60 from a sustainable development perspective, and provide evidence and authoritative references for
- 61 these. This will serve as a foundation for increased transparency and more consistent reporting from
- 62 organizations in the sectors.
- The project was initiated in 2019 to develop a Sector Standard for oil, gas and coal. As outlined in the GSSB's Due Process Protocol, a multi-stakeholder working group was established to contribute in the
- 65 development of the Sector Standard.
- 66 During the course of the project, the GSSB received stakeholder submissions from the oil and gas
- 67 sector raising concerns about addressing oil, gas, and coal in a combined Sector Standard, indicating
- a potential impediment to its uptake. These concerns were echoed by the Oil, Gas, and Coal Working
- 69 Group, and the <u>GSSB decided</u> in April 2020 to separate coal from the oil and gas contents. As a
- 70 consequence, this exposure draft focuses on the coal sector only.
- 71 For more information on the project, consult the project proposal and terms of reference.
- 72 The GRI Universal Standards have simultaneously been under revision. The implementation model of
- the Sector Standards will be incorporated into these revised Universal Standards. The final Universal
- 74 Standards are expected to be approved in Q2 2021. For the purposes of this exposure draft, draft
- 75 versions of the Universal Standards are used.

### 76 Significant proposals

- An exposure draft for coal has been developed in line with the project objectives set out above.
  Notable inclusions in this exposure draft are summarized below:
- 22 topics were identified to be likely material for organizations in the coal sector (see Table 1).
   For each likely material topic, the sector's most significant impacts are described and disclosures to report information about the organization's impacts and approach in relation to the topic are listed. All topics list one or more disclosures from the GRI Topic Standards; six topics list additional sector disclosures in addition to Topic Standards disclosures; and 15 topics list additional sector recommendations to supplement Topic Standards disclosures.
- The Standard emphasizes topics related to climate change, notably *GHG emissions* and *Climate adaptation and resilience*. Robust disclosure on these topics, specifically related to governance, target setting, and organizations' strategic decision-making related to the low-carbon transition, have been identified as essential for the coal sector. Additional reporting recommendations and disclosures draw from relevant climate reporting frameworks, such as the TCFD Recommendations of the Task Force on Climate-related Financial Disclosures.
- New tailings disclosures are listed in the topic Asset integrity and critical incident management for reporting on integrity of tailings facilities. These disclosures have been developed in line with the Global Industry Standard for Tailings Management, launched in 2020 by the International Council on Mining & Metals, United Nations Environment Programme and Principles for Responsible Investment.



- Additional disclosures are also listed related to topics that deal with payment transparency and prevention of corruption, with additional sector disclosures based on the Extractive Industries Transparency Initiative *EITI Standard 2019*.
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Sector Profile section further outlines the sector's activities, business relationships, and its interactions with the global sustainable development agenda, including linkages to the UN Sustainable Development Goals. A mapping between the likely material topics and the relevant

SDGs is included as part of the larger context in the section 1.2 The sectors and sustainable
 development, providing a starting point for organizations that seek to integrate the SDGs into their

reporting.

#### IO8 Table 1: Likely material topics included in the draft Sector Standard: Coal

Likely material topic	Disclosures from GRI Topic Standards included for reporting on the topic	Whether additional sector recommendations or disclosures are listed for the topic
1. GHG emissions	GRI 302: Energy 2016 GRI 305: Emissions 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 305-1 Direct (Scope 1) GHG emissions</li> </ul>
2. Climate adaptation and resilience	GRI 201: Economic Performance 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 201-2 Financial implications and other risks and opportunities due to climate change</li> <li>Additional sector disclosures</li> </ul>
3. Closure and rehabilitation	GRI 402: Labor/Management Relations 2016 GRI 404: Training and Education 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure 402-1 Minimum notice periods regarding operational changes</li> <li>Disclosure 404-2 Programs for upgrading employee skills and transition assistance programs</li> <li>Additional sector disclosures</li> </ul>
4. Air emissions	GRI 305: Emissions 2016 GRI 416: Customer Health and Safety 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure 305-7 Nitrogen oxides (NO<sub>X</sub>), sulfur oxides (SO<sub>X</sub>), and other significant air emissions</li> <li>Disclosure 416-1 Assessment of the health and safety impacts of product and service categories</li> </ul>
5. Biodiversity	GRI 304: Biodiversity 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 304-3 Habitats protected or restored</li> </ul>



	1	
6. Waste	GRI 306: Waste 2020	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure 306-3 Waste generated</li> <li>Disclosure 306-4 Waste diverted from disposal</li> <li>Disclosure 306-5 Waste directed to disposal</li> </ul>
7. Water and effluents	<i>GRI 303: Water and Effluents 2018</i>	Additional sector recommendations included for Disclosure 303-2 Management of water discharge-related impacts
8. Economic impacts	<i>GRI 201: Economic Performance 2016 GRI 202: Market Presence 2016</i>	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 201-1 Direct economic</li> </ul>
	GRI 203: Indirect Economic Impacts 2016 GRI 204: Procurement	value generated and distributed
	Practices 2016	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
9. Local communities	GRI 413: Local Communities 2016	Additional sector recommendations included for:
	oresentan	<ul> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 413-2 Operations with significant actual and potential negative impacts on local communities</li> </ul>
	(OX	Additional sector disclosures
10. Land and resource rights	GRI 413: Local Communities 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 413-2 Operations with significant actual and potential negative impacts on local communities</li> </ul>
11. Rights of indigenous peoples	GRI 411: Rights of Indigenous People 2016 GRI 413: Local Communities 2016	<ul> <li>Additional sector recommendations included for:</li> <li>Disclosure MT-3 Management of material topics</li> <li>Disclosure 413-1 Operations with local community engagement, impact assessments, and development programs</li> <li>Disclosure 413-2 Operations with significant actual and potential negative impacts on local communities</li> </ul>
12. Conflict and security	<i>GRI 410: Security Practices</i> 2016	Additional sector recommendations included for Disclosure MT-3 Management of material topics



13. Asset integrity and critical incident management	GRI 306: Effluents and waste 2016	Additional sector recommendations included for Disclosure MT-3 Management of material topics Additional sector disclosures
14. Occupational health and safety	GRI 403: Occupational Health and Safety 2018	-
15. Employment practices	GRI 401: Employment 2016	-
produced	GRI 402: Labor/Management Relations 2016	SB
	GRI 402: Labor/Management Relations 2016	of the GSSb
	GRI 414: Supplier Social Assessment 2016	OT THE
16. Child labor	GRI 408: Child Labor 2016	
17. Forced labor and modern slavery	GRI 409: Forced or Compulsory Labor 2016	- OSIL
18. Non-discrimination and equal opportunity	GRI 202: Market Presence 2016	- cial
	GRI 401: Employment 2016	
	GRI 404: Training and Education 2016	
	GRI 405: Diversity and Equal Opportunity 2016	
	GRI 406: Non-discrimination 2016	
19. Freedom of	GRI 407: Freedom of	-
association and	Association and Collective	
collective bargaining	Bargaining 2016	Additional sector disclosures
20. Anti-corruption	GRI 205: Anti-corruption 2016	
23. Payments to	GRI 201: Economic	Additional sector recommendations
governments	Performance 2016	included for Disclosure 201-4 Financial assistance received from government
900	GRI 207: Tax 2019	Additional sector disclosures
22. Public policy and lobbying	GRI 415: Public Policy 2016	Additional sector recommendations included for Disclosure MT-3 Management of material topics



### **Relationship to draft Sector Standard: Oil and Gas**

- IIO Draft Sector Standards for oil and gas, and coal were developed in conjunction until April 2020, with
- 111 the intention of forming a single Standard. Following a recommendation from the working group, these contents were separated.
- 113 There are two notable changes in the likely material topics for the coal sector compared to oil and gas
- the inclusion of child labor as a likely material topic, and the exclusion of anti-competitive behavior.
- 115 The exposure draft for coal also has an additional focus on tailings management, which is not relevant
- 116 for oil and gas organizations outside of oil sands mining.

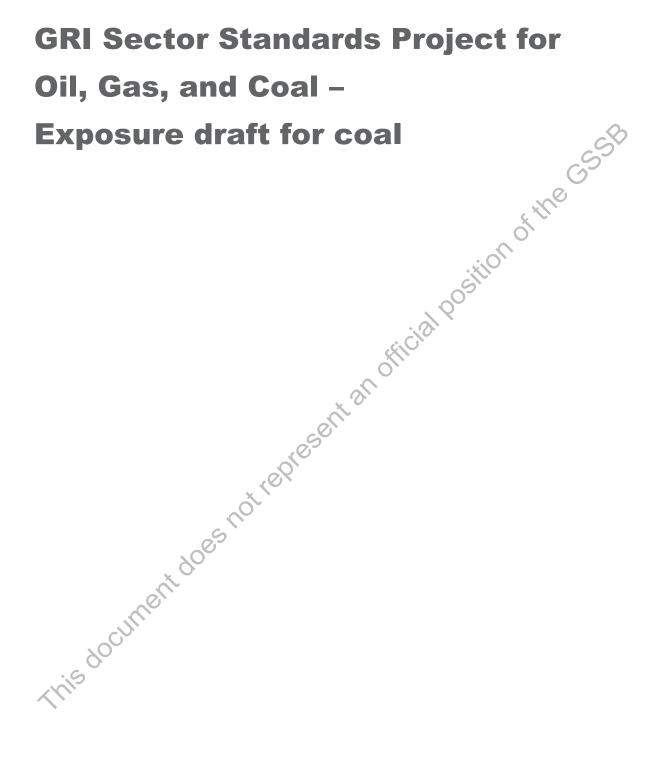
### **GSSB involvement and views on the development of this draft**

- 118 The GSSB appointed a subcommittee of three GSSB members for the Sector Program. The subcommittee was consulted on key conceptual issues on a regular basis.
- 120 The first (rough) draft of the Sector Standard for oil, gas, and coal prior to the separation of the
- contents was discussed by the GSSB during a virtual meeting on 26 March 2020, and the scope of
   the project was discussed on 23 April 2020.
- 123 The GSSB confirmed its support for content of the exposure draft for coal when it voted to approve
- 124 the draft for public exposure at its meeting on 29 April 2021. The recording of the meetings can be
- accessed on the GSSB website.

## **Superseded publications**

- 127 The GRI Sector Standard: Coal will be relevant for coal organizations previously using the G4 Mining
- and Metals Sector Disclosures. The content of these Sector Disclosures was not updated as part of
- 129 the transition from the G4 Guidelines to the GRI Standards.







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## 130 Introduction

I3I GRI Sector Standard: Coal provides information for organizations in the coal <u>sector</u> about their most

132 likely <u>material topics</u>. These <u>topics</u> have been identified as likely material for organizations in the coal sector on the basis of the sector's most significant <u>impacts</u> on the economy, environment, and people, including impacts on their human rights

including impacts on their <u>human rights</u>.

135 Sector Standard: Coal also contains a list of disclosures from the GRI Topic Standards and other

- sources for organizations in the coal sector to report information about their impacts and approach in
   relation to each likely material topic.
- Sector Standards are developed using multi-<u>stakeholder</u> expertise, authoritative intergovernmental
   instruments, and other relevant evidence.
- 140 This Standard is structured as follows:
- Section 1 provides a high-level overview of the sector, including its activities, business
   relationships, sustainability context, and the connections between the Sustainable Development
   Goals (SDGs) and the likely material topics for the sector.
- Section 2 outlines the topics that have been identified as likely material for organizations in the coal sector and therefore potentially merit reporting. For each likely material topic, the coal sector's most significant impacts are described and disclosures to report information about the organization's impacts and approach in relation to the topic are listed.
- Glossary contains defined terms with specific meaning when used in the GRI Standards.
- Bibliography lists the authoritative intergovernmental instruments and other sources used to develop each topic, as well as further resources that may be helpful for reporting on the topic.
- 151 The rest of this Introduction section offers an overview of the sectors this Standard applies to, an 152 overview of the system of GRI Standards, and further information on using this Standard.

### **Sectors this Standard applies to**

- I54 GRI Sector Standard: Coal applies to organizations undertaking the following:
- Exploration, mining, and processing of thermal and metallurgical coal from underground or openpit mines.
- Supply of equipment and <u>services</u> to coal mines, such as drilling, exploration, seismic information services, and mine construction.
- Storage or transportation of coal, such as slurry pipelines.
- 160 This Standard can be used by coal organizations of any size or type in any geographic location.
- 161 Not all topics listed in this Standard may be material for all organizations in the sector. The
- organization will determine its material topics based on its specific circumstances.
- 163 When identifying the applicable Sector Standards, an organization should consider its main sector. If
- the organization has substantial activities across more than one sector, it must use all applicable
- 165 Sector Standards.

### **166** Sector classifications

- 167 Table1 lists industry groupings relevant to the coal sector in the Global Industry Classification
- 168 Standard (GICS®), Industry Classification Benchmark (ICB), International Standard Industrial
- 169 Classification of All Economic Activities (ISIC), and Sustainable Industry Classification System
- 170 (SICS®). The table is intended to assist an organization in identifying whether the Sector Standard:
- 171 Coal applies to it and is for reference only.



Table 1. Industry groupings relevant to the coal sector in other classification systems

Classification system	Classification number	Classification name
GICS®	10102050	Coal & consumable fuels
ICB	60101040	Coal
ISIC	B05	Mining of coal and lignite
SICS®	EM-CO	Coal operations

### **System of GRI Standards**

- 174 This Standard is part of the GRI Sustainability Reporting Standards (GRI Standards). The GRI
- 175 Standards enable an organization to report information on its most significant impacts on the
- economy, environment, and people, including impacts on their human rights, and how it managesthese impacts.
- 178 The GRI Standards are structured as a system of interrelated standards that are organized into three 179 series: Universal Standards, Sector Standards, and Topic Standards.

#### 180 Universal Standards: GRI 101, 102, and 103

- 181 Note: All references to the GRI Universal Standards in this Standard refer to [the drafts] that have
- 182 been made available as part of the [review of the Universal Standards]. The GRI Sector Standards
- will work in conjunction with the revised Universal Standards. The draft Universal Standards are
   subject to the approval of the Global Sustainability Standards Board and may change.
- *GRI 101: Using the GRI Standards* sets out the requirements that the organization must comply with
   to report in accordance with the GRI Standards. The organization begins using the GRI Standards by
   consulting *GRI 101*.
- 188 *GRI 102: About the Organization* contains disclosures that the organization uses to provide
- information about its reporting practices and other organizational details, such as activities,
   governance, and policies.
- 191 GRI 103: Material Topics provides guidance on how to determine material topics. It also contains
- disclosures that the organization uses to report information about its process to determine material
   topics, its list of material topics, and how it manages each topic.

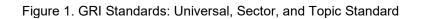
#### **Sector Standards**

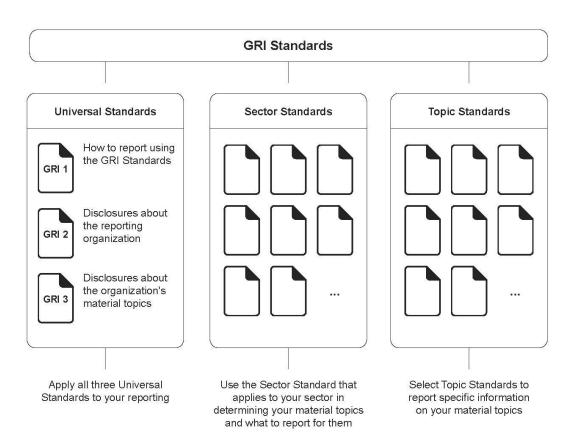
- 195 The Sector Standards provide information for organizations in a given sector about their most likely
- 196 material topics. The organization uses the Sector Standards that apply to its sectors when
- 197 determining its material topics and when determining what to report for each material topic.

#### 198 Topic Standards

- 199 The Topic Standards contain disclosures that the organization uses to report information on its
- 200 impacts and approach in relation to particular topics. The organization uses the Topic Standards
- according to the list of material topics it has determined using *GRI 103*.







## 202 Using this Standard

- 203 An organization in the coal sector reporting in accordance with the GRI Standards is required to use
- this Standard when determining its <u>material topics</u> and when determining what information to report for the material topics.

### 206 Determining material topics

- 207 Material <u>topics</u> are topics that represent the organization's most significant impacts on the economy, 208 environment, and people, including impacts on their human rights.
- 209 An organization in the coal sector is required to use this Standard when determining its material
- 210 topics. The organization needs to review each topic described in Section 2 of this Standard and 211 determine whether it is a material topic for the organization.
- 212 This Standard helps the organization determine its material topics, but the organization still needs to
- 213 determine its material topics based on its specific circumstances. The topics an organization identifies
- as material may vary according to specific circumstances, such as its business model; sector;
- 215 geographic, cultural, and legal operating contexts; ownership structure; and the nature of its impacts.
- 216 *GRI 103: Material Topics* provides step-by-step guidance on how to determine material topics.
- 217 Not all topics listed in this Standard may be material for all organizations in the sectors. If any of the
- topics that are included in this Standard have been determined by the organization as not material,
- the organization is required to list them in the GRI content index and explain why they are not material
- 220 (see Requirement 7 in Section 3 of GRI 101: Using the GRI Standards).



- 221 See Requirement 3 in Section 3 of GRI 101: Using the GRI Standards and Box 1 in GRI 103: Material
- 222 *Topics* for more information on using Sector Standards when determining material topics.

### 223 Determining what to report

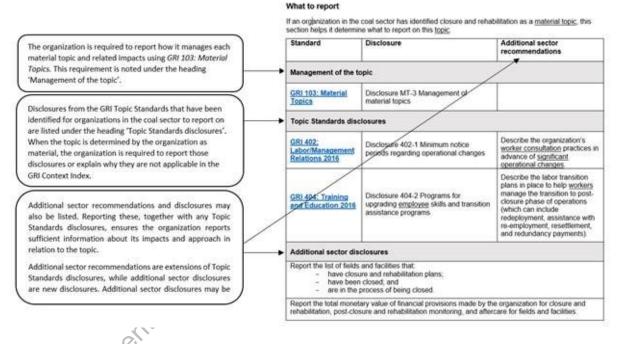
224 When a topic included in this Standard is determined by the organization as material, the Standard

helps the organization identify disclosures to report on its impacts and approach in relation to that topic.

227 A what to report section is included for each topic in Section 2 of this Standard. What to report

- sections list disclosures from the GRI Topic Standards. They may also list additional sector
- recommendations and disclosures for the organization to report on, in cases where the Topic
- 230 Standards do not provide disclosures, or where the disclosures from the Topic Standards do not
- 231 provide sufficient information about an organization's impacts and approach in relation to a topic.
- Additional sector disclosures may be based on other sources.
- 233 Figure 2 illustrates how what to report sections are structured.

#### 234 Figure 2. Structure of what to report sections



- For topics determined by the organization as material, the organization is required to report the disclosures drawn from Topic Standards listed in the what to report section for that topic. If any
- 237 disclosures listed are not relevant for reporting on the organization's impacts and approach in relation
- 238 to the topic, then the organization is not required to report these but is required to list them in the GRI

239 Context Index, provide the 'not applicable' reason for omission and a brief explanation (see

- 240 Requirement 7 in Section 3 of *GRI 101: Using the GRI Standards*).
- 241 The additional sector recommendations and disclosures outline additional information that the
- organization should report on the topic. An organization should provide sufficient information about its
- impacts and approach in relation to each material topic, so that information users can make informed
- 244 assessments and decisions about the organization. The additional sector disclosures and 245 recommendations have been identified as relevant for organizations in the coal sector in relation to
- recommendations have been identified as relevant for organizations in the coal sector in relation to the topic. Reporting on these is encouraged, however, it is not a requirement.
- When the organization reports the additional sector disclosures, it is required to list them in the GRIcontent index.
- See Requirement 5 in Section 3 of *GRI 101: Using the GRI Standards* for more information on using
   Sector Standards when identifying disclosures to report on.



#### **Defined terms** 251

252 Defined terms are <u>underlined</u> in the text of the GRI Standards and hyperlinked to their definitions in the Glossary. The organization is required to apply the definitions in the Glossary. 253

#### **References and resources** 254

255 Each GRI Topic Standard includes a list of authoritative intergovernmental instruments and other

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- 257 258
- 259



## **1. Sector profile**

261 Coal is an abundant and widespread natural resource. Its use dates from ancient history, and coal

extraction now represents a large global <u>sector</u> supplying key raw materials for energy generation and

263 metallurgical processes. It is currently a fundamental input in some major industries, notably steel, 264 which accounts for 15% of the use of world coal production.<sup>1</sup> Coal is also used in production of

synthetic compounds, such as cement, dye, oil, waxes, pharmaceuticals, and pesticides.

Coal organizations are diverse in nature. While some focus on this sole commodity – combining
 extraction, distribution, and consumption channels under a single ownership – others are large
 diversified organizations, extracting different commodities or operating across different sectors. Some
 of the largest organizations in the sector are state-owned enterprises.

Coal is still widely used to generate electricity in many countries, though its consumption for this
 purpose has declined globally since 2013.<sup>2</sup>

## **1.1 Sector activities and business relationships**

- 273 When determining its <u>material topics</u>, the organization should consider the <u>impacts</u> of both its
- 274 activities and its business relationships.

### 275 Activities

- The impacts of an organization vary according to the types of activities it undertakes. The following list outlines some of the key activities of the coal sector. The list is not exhaustive.
- 278 *Prospecting and exploration:* Surveying of resources through, for example, feasibility assessments,
   279 geologic mapping, aerial photography, geophysical measuring, and drilling.
- 280 *Development:* Design, planning, and constructing a mine, including facilities for coal processing and 281 <u>workers</u>.
- 282 Mining: Coal extraction using surface mining, underground mining, or in-situ techniques.
- *Processing:* Crushing, cleaning, and processing coal from unwanted materials; processing it into
   briquettes, liquids, and gas or into coke for steelmaking.
- 285 *Closure and rehabilitation:* Decommissioning processing facilities, land reclamation and rehabilitation,
   286 and closing and sealing <u>waste</u> facilities.
- *Transportation:* Moving coal to the point of consumption by barge, conveyor belt, train, truck, or ship;
   or when mixed with oil or water, transported as coal slurry by pipeline.
- 289 *Storage:* Storing coal at mining sites or import and export terminals.
- Sales and marketing: Trading and customer sales of <u>products</u> for the purpose of, for example, iron
   and steel production, cement production, electricity production, and manufacturing.

### 292 Business relationships

- 293 An organization's business relationships include those with <u>business partners</u>, entities in its <u>value</u>
- 294 <u>chain</u>, including those beyond the first tier, and any other entities directly linked to its operations,
- products, or <u>services</u>. The following types of business relationships are of particular relevance when
   identifying the <u>impacts</u> of organizations in the coal sector.

 <sup>&</sup>lt;sup>2</sup> World Economic Forum (WEF), <u>Chart of the day: Is 2019 the beginning of the end for coal in Europe?</u>, accessed on 5 April 2021; International Energy Agency (IEA), <u>Coal 2019: Analysis and Forecasts to 2024</u>, accessed on 5 April 2021.



<sup>&</sup>lt;sup>1</sup> International Energy Agency (IEA), <u>Coal Information: Overview</u>, accessed on 5 April 2021.

- 297 Joint ventures are common arrangements, particularly in upstream coal operations, in which
- 298 organizations share costs, benefits, and liabilities of assets or a project. Even as a non-operating
- 299 partner, an organization can be involved with negative impacts as a result of a joint venture.

Suppliers and contractors are used often in the coal sector during certain phases of the project, such 300 as construction, or to provide services. Some of the most significant impacts related to the topics in 301 302 this Sector Standard involve the supply chain.

303 Customer organizations use coal to produce heat, energy, or materials. When these organizations

- burn coal, they generate large amounts of greenhouse gas (GHG) and other air emissions. While 304
- 305 customer organizations play a key role in reducing and managing their emissions, organizations that
- 306 extract coal are increasingly expected to take responsibility for emissions from the combustion of their 307 products and to disclose the related emissions. This Sector Standard therefore includes disclosures
- on all Scopes of GHG emissions (1, 2, 3) as well as on other environmental and health impacts that 308
- 309 occur through product use.

#### 1.2 The sector and sustainable development < 310

Energy is a key driver of economic growth and sustainable development. Coal has been a 311

312 fundamental source of the world's energy, contributing to economic growth and poverty reduction.

- 313 Coal represents the largest resource for electricity production, providing over a third of the total
- 314 supply.3
- The role of coal remains important in regions or countries where coal is a key source of revenue or a 315
- strategic asset that guarantees energy independence. Although the number of people worldwide 316
- 317 working in coal mining is not very large,<sup>4</sup> coal can be the main economic resource of a community. In
- addition to employment, coal activities can also bring about local economic development, along with 318
- infrastructure and services. Most of the world's coal is not traded internationally, but consumed in the 319 same country where it is produced, though some major producing countries export the majority of the 320
- coal produced. 321
- Meanwhile, coal consumption is declining globally, though in many countries, particularly in Asia, its 322
- 323 use is still growing. Burning coal for energy generation is responsible for 40% of all greenhouse
- gas (GHG) emissions from fossil fuels, representing the main contributor to climate change. In 324
- addition, coal has the highest emissions intensity when combusted. Coal typically releases more than 325
- 326 twice the amount of GHGs than natural gas per unit of energy produced.<sup>5</sup>
- The majority of the world's countries has committed to combating climate change, as outlined in the 327
- Paris Agreement. Climate change threatens the lives, livelihoods, health, and homes of millions of 328 329
- people. The International Panel on Climate Change (IPCC) warns that continuing to consume fossil fuels at the current rate could result in dangerous global temperature increases leading to magnified 330
- risks of extreme weather and climate events.<sup>6</sup> Other reports show that with current policy 331
- 332 commitments, the world is indeed heading toward a dangerous 3.2-degree Celsius rise in temperature
- 333 by 2100.7 These projections underline the need to transition to a low-carbon economy based on
- 334 affordable, reliable, and sustainable energy. Achieving net zero GHG emissions by 2050 is required to
- 335 limit global warming to 1.5 degrees Celsius above pre-industrial levels, which is predicted to pose
- significantly lower risks to natural and human systems than a warming of 2 degrees Celsius.<sup>8</sup> Actions 336
- taken by high-emitting sectors, such as the coal sector, are essential for this transition. These actions 337

- <sup>3</sup> International Energy Agency (IEA), World Energy Outlook 2020, 2020, accessed on 5 April 2021.
- <sup>4</sup> Eight million people are estimated to work in coal mining in the world; see M. Jakob et al., 'The Future of Coal in a Carbon-Constrained Climate', Nature Climate Change, vol. 10, no. 8, August 2020. <sup>5</sup> Energy Information Administration (EIA), <u>How much carbon dioxide is produced per kilowatthour of U.S. electricity</u>
- generation?, accessed on 5 April 2021.
- International Panel on Climate Change (IPCC), <u>Global Warming of 1.5°C</u>, 2018.
- <sup>7</sup> United Nations Environment Programme (UNEP), <u>Emissions Gap Report 2019</u>, 2019.
- <sup>8</sup> International Panel on Climate Change (IPCC), *Global Warming of 1.5°C*, 2018.



can include business model changes, investing in <u>renewable energy sources</u>, prioritizing energy efficient practices, and developing and adopting new technologies and nature-based solutions to
 remove carbon from the atmosphere.

341 The coal sector faces additional pressure to embark on the transition path as governments and the 342 financial sector implement climate-resilient policies and portfolios, resulting in financial restrictions or 343 divestments from coal. While these policies incentivize decarbonizing the economy, they will also 344 result in decreased employment opportunities for workers in the sector and its supply chains. Many mining communities have few alternative sources of employment, and decline in coal mining can lead 345 346 to high local unemployment rates. To ensure a just transition, it is essential for governments and organizations to work together. A just transition refers to a fair and equitable pathway through 347 industrial transformation to a sustainable future, that integrates worker-centric public and employer 348 policies and programs to provide a secure and decent future for all workers, their families, and the 349 350 communities that rely on them. The roadmap to a low-carbon transition will differ between countries according to their context and differing capabilities to respond to and mitigate impacts of climate 351 352 change.

In addition to contributing to climate change, the coal sector generates various negative impacts on

the environment and people, including impacts on human rights. These include, for example, water, air, and soil pollution as well as impacts on biodiversity, which can also result in serious health

impacts on people. Accidents and working conditions can pose further health and safety risks for

357 workers and local communities. The use of land for sector activities may also lead to disputes, often

357 <u>workers</u> and <u>local communities</u>. The use of land for sector activities may also lead to disputes, offer 358 triggered by issues related to tenure rights, resettlement of local communities, or restricted access to

359 land and natural resources. These impacts are especially relevant for indigenous peoples, who often

360 have a special relationship with land and the natural environment

### 361 Sustainable Development Goals

362 The United Nations (UN) Sustainable Development Goals (SDGs), part of the 2030 Agenda for

Sustainable Development adopted by the 193 United Nations member states, comprise the world's
 comprehensive plan to achieving sustainable development.

365 Since the SDGs and targets associated with them are integrated and indivisible, coal organizations

have the potential to impact all SDGs by either enhancing their positive contributions or avoiding and
 mitigating negative impacts.

368 While the coal sector contributes to meeting the world's energy demand and thus plays a role

in achieving Goal 7: Affordable and Clean Energy, extracting and burning coal is the primary

370 contributor to climate change. Climate change can also exacerbate other challenges, such as

achieving access to clean water, food security, and poverty reduction. Ensuring access to affordable,

372 reliable, and sustainable energy while mitigating GHG emissions as per Goal 13: Climate Action and
 373 the necessary transition to a low-carbon economy is one of the sector's greatest challenges.

374 Because the coal sector is in many regions still a central source of employment and income, it makes

374 Because the coal sector is in many regions still a central source of employment and income, it make
 375 positive contributions to Goal 8: Decent Work and Economic Growth and Goal 1: No

376 **Poverty.** Coal operations can also stimulate other economic activity and bring along <u>infrastructure</u>

and services to local communities around mining sites. With proper management of environmental

impacts caused by coal operations, the sector can thus contribute to **Goal 11: Sustainable cities** 

379 and communities and Goal 12: Responsible Consumption and Production.

- 380 Table 2 highlights connections between the likely <u>material topics</u> for the coal sector and the SDGs. It
- is a starting point for organizations that seek to integrate the SDGs into their reporting.



382 Table 2: Linkages between the likely material topics for the coal sector and the SDGs

Lik	ely material topics	Corresponding Sustainable Development Goals
1. GHG emissions		Goal 13: Climate Action
		Goal 14: Life Below Water
		Goal 1: No Poverty
		Goal 7: Affordable and Clean Energy
2.	Climate adaptation and resilience	Goal 8: Decent Work and Economic Growth
		Goal 9: Industry, Innovation and Infrastructure
		Goal 13: Climate Action
		Goal 8: Decent Work and Economic Growth
3.	Closure and rehabilitation	Goal 11: Sustainable Cities and Communities
		Goal 15: Life on Land
		Goal 3: Good Health and Well-being
4.	Air emissions	Goal 11: Sustainable Cities and Communities
		Goal 15: Life on Land
		Goal 6: Clean Water and Sanitation
		Goal 12: Responsible Consumption and Production
5.	Biodiversity	Goal 14: Life Below Water
		Goal 15: Life on Land
		Goal 3: Good Health and Well-being
		Goal 6: Clean Water and Sanitation
6.	Waste	Goal 12: Responsible Consumption and Production
		Goal 15: Life on Land
		Goal 6: Clean Water and Sanitation
		Goat 12: Responsible Consumption and Production
7.	Water and effluents	Goal 14: Life Below Water
	~ <sup>0</sup>	Goal 15: Life on Land
	5	Goal 1: No Poverty
	206	Goal 5: Gender Equality
8.	Economic impacts	Goal 8: Decent Work and Economic Growth
		Goal 9: Industry, Innovation and Infrastructure
	Economic impacts	Goal 10: Reduced Inequalities
	<u> </u>	Goal 1: No Poverty
	20	Goal 3: Good Health and Well-being
9. Local communities		Goal 5: Gender Equality
		Goal 6: Clean Water and Sanitation
		Goal 16: Peace, Justice and Strong Institutions
		Goal 1: No Poverty
10.	Land and resource rights	Goal 11: Sustainable Cities and Communities
		Goal 16: Peace, Justice and Strong Institutions



	Rights of indigenous peoples	Goal 1: No Poverty
		Goal 3: Good Health and Well-being
11.		Goal 5: Gender Equality
		Goal 11: Sustainable Cities and Communities
		Goal 16: Peace, Justice and Strong Institutions
12.	Conflict and security	Goal 16: Peace, Justice and Strong Institutions
13.	Asset integrity and critical incident	Goal 3: Good Health and Well-being
	management	Goal 11: Sustainable Cities and Communities
		Goal 3: Good Health and Well-being
14.	Occupational Health and Safety	Goal 8: Decent Work and Economic Growth
		Goal 1: No Poverty
	<b>F</b>	Goal 5: Gender Equality
15.	Employment practices	Goal 8: Decent Work and Economic Growth
		Goal 10: Reduced Inequalities
		Goal 1: No Poverty
16.	Child labor	Goal 8: Decent Work and Economic Growth
		Goal 16: Peace, Justice and Strong Institutions
		Goal 8: Decent Work and Economic Growth
17.	Forced labor and modern slavery	Goal 16: Peace, Justice and Strong Institutions
		Goal 5: Gender Equality
18.	Non-discrimination and equal	Goal 8: Decent Work and Economic Growth
	opportunity	Goal 10: Reduced Inequalities
		Goal 16: Peace, Justice and Strong Institutions
19.	Freedom of association and	Goal 8: Decent Work and Economic Growth
	collective bargaining	Goal 16: Peace, Justice and Strong Institutions
~~		Goal 12: Responsible Consumption and Production
20.	Anti-corruption	Goal 16: Peace, Justice and Strong Institutions
	005	Goal 1: No Poverty
21.	Payments to governments	Goal 16: Peace, Justice and Strong Institutions
		Goal 17: Partnerships for the Goals
22.	Public policy and lobbying	Goal 16: Peace, Justice and Strong Institutions
<	his docut	<u> </u>



#### **2. Likely material topics** 383

384 The following section outlines the likely material topics for the coal sector. Each topic describes the 385 most significant impacts related to topic and list disclosures that have been identified as relevant for reporting on the topic by the sector. The organization needs to review each topic in this section and 386 determine whether it is material for it to report on. 387

#### 2.1 GHG emissions 388

Greenhouse gas (GHG) emissions comprise air emissions that contribute to climate change. 389

390 such as carbon dioxide and methane. This topic covers direct and energy indirect GHG emissions (Scope 1 and Scope 2) related to an organization's activities, as well as other 391

392 indirect GHG emissions (Scope 3) related to the end use of an organization's products.

393 Greenhouse gas (GHG) emissions are the single biggest contributor to climate change, the impacts of

394 which are occurring at an accelerating rate. Studies show that approximately half of the total anthropogenic carbon dioxide (CO<sub>2</sub>) emissions from 1750 onwards have occurred in the last 40 years, 395

mostly due to increased use of fossil fuels, including coal.<sup>9</sup> Although the energy efficiency of 396

production has improved, increased energy demand has caused a rise in global GHG emissions, the 397

- 398 majority of which originates from combustion of fossil fuels.<sup>10</sup>
- 399 Besides CO<sub>2</sub>, coal operations also cause the emission of another powerful GHG: methane (CH<sub>4</sub>). This

GHG has a significantly higher global warming potential than CO<sub>2</sub>, when considering its impact over 400

100 years, one ton of  $CH_4$  is equivalent to 28 to 36 tons of  $CO_2$ .<sup>(1)</sup> The energy sector has been 40 I

402 identified as the second-largest source of anthropogenic CH4 emissions. Recent measurements

indicate that available figures on CH4 emissions from energy could be underestimates. Other GHG 403

emissions related to coal extraction and use include nitrous oxide (N<sub>2</sub>O) and ozone (O<sub>3</sub>). 404

405 Activities related to coal mining and processing consume significant amounts of energy. Unless they 406 are powered by renewable energy sources, these operations generate CO2 emissions. These are

407 classified as direct (Scope 1) GHG emissions for activities owned or controlled by the organization or

408 energy indirect (Scope 2) GHG emissions for activities that result from purchased or acquired

electricity consumed by the organization 409

The amount of energy used in coal mining depends on several factors, such as the method of mining, 410

mine depth, geology, mine productivity, and degree of refining required. Activities among the most 411

412 energy-consuming include transportation, exploration activities, drilling, excavation, extraction,

grinding, crushing, milling, pumping, and ventilation processes. Extraction and transportation in 413 underground mines might require more energy than surface mining due to, for example, greater 414

- 415 requirements for hauling, ventilation, and water pumping. Closure and rehabilitation activities are also
- a source of GHG emissions. 416

417 Coal mines are also a source of CH4 emissions, which are produced during the process of coal

418 formation and released to the atmosphere during and after the mining process. Coal mine methane

419 (CMM) can be released via degasification systems and ventilation air from underground coal mines,

420 seepage from abandoned or closed mines through vent holes or cracks in the ground, coal seams of

- 421 surface mines, and fugitive emissions from storage and transportation. Underground mines are responsible for the majority of Scope 1 coal CH<sub>4</sub> emissions due to the higher gas content of deeper
- 422 423 seams.

<sup>&</sup>lt;sup>11</sup> Greenhouse Gas Protocol, Global Warming Potential Values; International Energy Agency (IEA), Methane tracker 2020, accessed 5 April 2021.



<sup>&</sup>lt;sup>9</sup> Intergovernmental Panel on Climate Change (IPCC), <u>Climate Change 2014: Synthesis Report</u>, 2014.

<sup>&</sup>lt;sup>10</sup> International Energy Agency (IEA), Market Report Series: Energy Efficiency 2018, accessed 5 April 2021; CO2 Emissions from Fuel Combustion: Highlights, 2018.

- 424 For coal, end-use activities are responsible for the most significant GHG emissions, which are
- 425 classified as part of <u>other indirect (Scope 3) GHG emissions</u>. Coal is a carbon-intensive fuel, and its
- 426 combustion generates the single largest source of global CO<sub>2</sub> emissions. These emissions mostly
- 427 originate from electricity and heat generation, steel production, and cement manufacturing.

#### 428 What to report – GHG emissions

- 429 If an organization in the coal sector has identified GHG emissions as a <u>material topic</u>, this section
- 430 helps it determine what to report on this topic.

	Disclosure	Additional sector recommendations			
Management of the to	Management of the topic				
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	<ul> <li>When reporting on goals and targets, report:</li> <li>Report the scopes of GHG emissions (1, 2, 3) and the activities and business relationships to which the goals and targets apply.</li> <li>Report how the goals and targets are set and which instruments and mandatory legislation the goals and targets are based on or aligned with.</li> <li>Report the baseline for setting goals and targets and the timeline for achieving them.</li> </ul>			
Topic Standards disc	losures				
<u>GRI 302: Energy</u> 2016	Disclosure 302-1 Energy consumption within the organization				
	Disclosure 302-2 Energy consumption outside of the organization				
ner	Disclosure 302-3 Energy intensity				
GRI 305: Emissions 2016	Disclosure 305-1 Direct (Scope 1) GHG emissions	<ul> <li>Report the percentage of direct (Scope 1) methane emissions.</li> </ul>			
THIS		<ul> <li>Report the breakdown of gross direct (Scope 1) GHG emissions by type of source (stationary combustion, process, fugitive).</li> </ul>			
		Note: This recommendation is based on the guidance to clause 2.2.5.3 in GRI 305: Emissions 2016.			
	Disclosure 305-2 Energy indirect (Scope 2) GHG emissions				



Disclosure 305-3 Other indirect (Scope 3) GHG emissions	
Disclosure 305-4 GHG emissions intensity	
Disclosure 305-5 Reduction of GHG emissions	

#### 43 I **Resources and references**

- GRI 302: Energy 2016 and GRI 305: Emissions 2016 list authoritative intergovernmental instruments 432 and other sources relevant to reporting on this topic.
- 433
- , on the back of the present an official position of the present and the present a The additional intergovernmental instruments and references used to develop this topic description as 434
- well as further resources that may be helpful for understanding and reporting on the topic by the coal 435 436



### 437 **2.2 Climate adaptation and resilience**

Climate adaptation and resilience refer to how an organization adjusts to current and
anticipated climate-related risks, as well as how it contributes to the ability of societies and
economies to withstand impacts from climate change. This topic covers an organization's
strategy in relation to the transition to a low-carbon economy and the impacts of that
transition on workers and local communities.

Signatories of the Paris Agreement have committed to keeping global warming 'well below 2 degrees'.
Yet the maximum amount of fossil fuels that can be burned while remaining within that limit – the
global carbon budget – is far lower than the proven reserves that organizations could be extracted.
This puts pressure on producers to modify their business models, establish carbon emissions targets,
create carbon sinks, and diversify away from fossil fuels.

- create carbon sinks, and diversity away from tossil fuels.
- Since coal emits the largest amount of carbon dioxide (CO<sub>2</sub>) and has the highest intensity of emissions per unit of energy among fossil fuels (see GHG emissions), burning coal is likely to be the
- 450 first activity governments seek to suppress in fulfilling their commitments under the Paris Agreement.
- 451 Since its peak consumption in 2013, the energy transition has commenced and total consumption of
- 452 coal has been declining.<sup>12</sup>
- 453 This transition presents high risks for organizations, workers, and local communities reliant on coal
- 454 operations. As the market for coal shrinks, some organizations will be forced to close operations,
- 455 impacting their financial viability. <u>Workers</u> are faced with challenges related to their employability and
- finding desirable re-employment. Coal mining regions may end up with environmental legacy costs
- related to asset closure as well as significant reductions of economic activity that lead to lower tax
- 458 revenues and depopulation.
- In 2040, coal use as a share of total global energy use could vary between an estimated 20% and
- 460 10% depending on the policy scenario.<sup>13</sup> The transition will also be unequal across countries, as
- some countries are much more dependent on coal for electricity generation than others. Similarly,
- while alternatives are available for energy generation, steelmakers still lack a feasible alternative for coal, so their transition might take longer. Technological solutions for burning coal without emitting
- 463 coal, so their transition might take longer. Technological solutions for burning coal without emitting
   464 CO<sub>2</sub> (e.g., through carbon capture and storage or utilization) are being tested, but the technology has
- 465 not progressed at the rate necessary to meet the required emissions reductions to limit global
- 466 warming to levels committed to in the Paris Agreement, and new investment is scarce.<sup>14</sup>
- 467 Many coal operations will face closure, but others are expected to remain operational for decades.
- 468 Which remain operational longer will depend on technological, geographic, and political factors.
- 469 Organizations are at risk of owning stranded assets or pieces of physical capital that become
- drastically reduced in value by the transition, leading to write-offs. Organizations may mitigate these
   risks by diversifying away from coal, investing in technological solutions, and focusing on market
- 472 segments expected to remain operational longer.
- 473 A just transition to a low-carbon economy requires recognizing the different levels of dependence on
- coal by regions and countries and the need to create quality jobs for persons affected. Examples of
- potential actions from coal organizations to ensure a just transition include providing plenty of notice
- of closures, collaborating with governments and unions, retraining and redeploying workers, and
- 477 providing alternate investments in affected communities. Meaningful, early consultations with
- 478 <u>stakeholders</u> and communities have proven crucial (see Closure and rehabilitation).

<sup>14</sup> International Energy Agency (IEA), <u>World Energy outlook 2018</u>, accessed 5 April 2021.



<sup>&</sup>lt;sup>12</sup> International Energy Agency (IEA), <u>Coal Information: Overview</u>, accessed on 5 April 2021.

<sup>&</sup>lt;sup>13</sup> The share of coal in the energy mix was 27% in 2018. International Energy Agency (IEA) uses two policy scenarios for forecasting the use of coal: under the Current Policy Scenario (assuming no change in policies), this share will be reduced to 20% in 2040; under the Sustainable Development Scenario (assuming policies compatible with the Paris Agreement), the share will be reduced to 10% in 2040. World Energy Outlook 2019, accessed 5 April 2021.

- 479 The transition can also bring along opportunities to reinvigorate economic activity and provide new
- employment opportunities and skills development.

#### 481 What to report

482 If an organization in the coal sector has identified climate adaptation and resilience as a material
483 topic, this section helps it determine what to report on this topic.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	<ul> <li>Report the level and function within the organization that has been assigned responsibility for managing climate change-related impacts.</li> <li>Describe the board's oversight to manage climate-change related impacts.</li> <li>Report whether responsibility to manage climate change-related impacts is linked to performance assessments or incentive mechanisms, including in the remuneration policies for highest governance body members and senior executives.</li> </ul>
	e e	<ul> <li>Describe any commitments, policies, and actions taken to mitigate the impacts of the transition to a low-carbon economy on workers and communities.</li> </ul>
Topic Standards disc	losures	
GRI 201: Economic Performance 2016	Disclosure 201-2 Financial implications and other risks and opportunities due to	<ul> <li>Describe the climate change-related scenarios used to assess the resilience of the organization's strategy, including a 2-degree or lower scenario.</li> </ul>
Iner	climate change	<ul> <li>Describe how the climate-change related scenarios affect or could affect the organization's operations or revenue, including potential write-offs and early closure of existing assets.</li> </ul>
rhis doce		<ul> <li>Report the coal production volumes for the reporting year and projected volumes for the next five years.</li> </ul>
		<ul> <li>Report the estimated reserves and potential emissions from these reserves.</li> </ul>
		<ul> <li>Report the percentage of capital expenditure (CapEx) allocated to investments in:</li> </ul>
		<ul> <li>prospecting and exploration of new reserves;</li> <li>low-carbon technology;</li> <li>energy from renewable sources.</li> </ul>
		<ul> <li>Report investments in nature-based solutions for climate mitigation and technologies to</li> </ul>



remove CO <sub>2</sub> ; and net captured value of CO <sub>2</sub> removed.
<ul> <li>Report diversification of operations away from a reliance on sales and transport of coal.</li> </ul>

#### Additional sector disclosures

Describe the organization's approach to public policy advocacy on climate change, including:

- the organization's stance on issues related to climate change; \_
- any differences between the organization's lobbying positions and any stated policies, goals, or \_ other public positions;
- a list of industry and other membership associations and national or international organizations \_ participating in public policy advocacy on climate change in which the organization has a significant role.

Note: The last disclosure is related to SPP-7 Membership associations. If the information reported by the organization in SPP-7 covers the membership associations requested by this disclosure, the organization can provide a reference to this information.

#### **Resources and references** 484

GRI 201: Economic Performance 2016 lists authoritative intergovernmental instruments and other 485 sources relevant to reporting on this topic. 486

- The additional intergovernmental instruments and references used to develop this topic description as 487
- erstai a. a. a. a. a. a. a. a. a. this document does not represent a 488 well as further resources that may be helpful for understanding and reporting on the topic by the coal
- 489



### 490 **2.3 Closure and rehabilitation**

491 At the end of commercial use, organizations are expected to close assets and facilities and

rehabilitate operational sites. The planning and execution of this phase should take

493 environmental as well as socioeconomic impacts into consideration. This topic covers an

494 organization's approach to closure and rehabilitation, including impacts on the environment,
 495 local communities, and workers.

496 Potential impacts of coal mining following closure include soil and water contamination, changes to

- landforms, and disturbance of biodiversity and wildlife. Closure can also lead to lasting socioeconomic
   consequences for local communities. Closure often requires planning that begins in the early phases
- 499 of a project's lifecycle in order to anticipate potential impacts. Failure to close assets and rehabilitate 500 sites effectively can render land unusable for other productive uses due to the presence of toxic
- 500 sites effectively can render land unusable for other productive uses due to the presence of 501 materials or contamination. It can also result in health and safety hazards.
- 502 Environmental impacts from the closure of surface and underground mining can differ. For example,
- surface mining requires more land use and more substantial rehabilitation, whereas abandoned
   underground mines may emit coal mine methane even after active mining has seized, contributing to
- 505 <u>GHG emissions</u>.
- 506 Over the course of a coal mining project, communities may come to depend on the <u>sector</u>'s activities 507 for jobs, income, royalties, tax payments, charitable donations, and other benefits (see also Payments
- to governments). This can lead to negative impacts on the economy and people once the project
- 509 ends. For example, insufficient notice of closure or lack of adequate planning for economic
- revitalization, social protection, and labor transition can hinder the transition of <u>workers</u> and local
- 511 communities to a post-closure phase and cause retrenchment, economic downturn, and social unrest.
- 512 Without clearly assigned responsible parties or allocated funds, closed coal mines can also leave
- 513 behind legacy environmental issues and financial burden for local communities and governments.
- 514 Closure and rehabilitation of coal operations can also create employment and business opportunities.
- 515 This can involve an influx of additional workers for an extended period of time. The arrival of workers
- 516 from the surrounding areas or through a fly-in-fly-out approach during this phase can, in turn,
- 517 exacerbate other pressures on the environment.
- 518 Closure and rehabilitation of coal mining operations should result in a stable and sustainable
- 519 ecosystem, compatible with planned post-closure land use. Activities can include stabilization of
- 520 open-pit or underground workings and removal or conversion of infrastructure to ensure safety of
- 521 people; rehabilitation of waste rock stockpiles and tailings facilities to control erosion and land
- 522 degradation; management of <u>waste</u>, <u>surface water</u>, and <u>groundwater</u> quality issues resulting from 523 abandoned rock drainage, waste rock, and leaching from tailings (see also <u>Waste</u> and <u>Water</u> and
- 524 effluents); and post-closure monitoring.
- 525 The need to reduce GHG emissions and to transition to a low-carbon economy (see Climate
- 526 adaptation and resilience) is leading to more frequent closures. These are less likely to be
- 527 counterbalanced by openings, as has been the case in the past. In areas where employment largely
- 528 derives from coal activities, mitigating significant socioeconomic impacts requires collaboration
- 529 between local and national governments, coal organizations, workers, and unions to ensure a just
- 530 transition



#### 531 What to report

If an organization in the coal sector has identified closure and rehabilitation as a <u>material topic</u>, this
 section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	e SB
Topic Standards disclosures		
<u>GRI 402:</u> Labor/Management <u>Relations 2016</u>	Disclosure 402-1 Minimum notice periods regarding operational changes	Describe how workers are consulted in advance of significant operational changes.
GRI 404: Training and Education 2016	Disclosure 404-2 Programs for upgrading employee skills and transition assistance programs	Describe the labor transition plans in place to help workers manage the transition to post-closure phase of operations (which can include redeployment, assistance with re-employment, resettlement, and redundancy payments).
Additional sector disclosures		
<ul> <li>have been</li> </ul>	re and rehabilitation plans;	

rehabilitation, including post-closure and rehabilitation monitoring, and aftercare.

#### 534 **Resources and references**

- 535 GRI 402: Labor/Management Relations 2016 and GRI 404: Training and Education 2016 list
- 536 authoritative intergovernmental instruments and other sources relevant to reporting on this topic.
- 537 The additional intergovernmental instruments and references used to develop this topic description as
- 538 well as further resources that may be helpful for understanding and reporting on the topic by the coal
- sector are listed on in the Bibliography on page 69.



### 540 2.4 Air emissions

541 Air emissions include pollutants that can have negative impacts on air quality, ecosystems,

and human and animal health. This topic covers impacts from emissions of sulfur oxides
(SOx), nitrogen oxides (NOx), particulate matter (PM), volatile organic compounds(VOC),
carbon monoxide(CO), and heavy metals, such as lead, mercury, and cadmium.

545 In addition to greenhouse gas (GHG) emissions, coal is significant sources of anthropogenic air 546 emissions classified as pollutants. Globally, air pollution causes acute health problems and millions of 547 deaths annually<sup>15</sup> by contributing to heart and lung diseases, strokes, respiratory infections, and 548 neurological damage. Children, the elderly, and the poor are disproportionately affected, as are 549 communities adjacent to operations.

550 The emission of pollutants also has impacts on ecosystems. For example, nitrogen emissions and

551 mercury that enter the oceans or waterways can impact marine life. They are also a major cause of 552 ground-level ozone – commonly known as smog – which can lead to or worsen respiratory illnesses.

- 553 Sulfur oxides can lead to acid rain and increase ocean acidification. Further adverse effects from acid
- rain and ground-level ozone include degradation of water, soil, flora, and fauna, and impairment of
- their ability to function and grow.
- 556 Air emissions from coal operations include CO, NO<sub>x</sub>, PM from coal dust, and SO<sub>2</sub>. These emissions
- 557 can occur from evaporation from tailings ponds or <u>waste</u> areas; fugitive dust emissions from drilling,
- blasting, storage, transportation, loading, and unloading; refining and processing activities; and
- transportation of supplies and products. Emissions related to product use include NO<sub>x</sub>, PM, SO<sub>2</sub>,
- selenium, and other heavy metals.
- 561 In addition to their impacts on climate change (see GHG emissions), air emissions from burning coal
- 562 in power plants or industrial processes can also have negative impacts on people. Outdoor air

pollution causes millions of deaths every year, and burning coal is a major source of this pollution.

- These emissions are caused by organizations in other <u>sectors</u>, such as utilities and steel, but their impacts can often be directly linked to the coal sector.
- 565 Impacts can oπen be directly linked to the coal sect

#### 566 What to report

If an organization in the coal sector has identified air emissions as a <u>material topic</u>, this section helps
 it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	
Topic Standards disclosures		
<u>GRI 305: Emissions</u> 2016	Disclosure 305-7 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions	<ul> <li>Report particulate matter (PM) emissions from coal dust separately from total PM.</li> <li>Report carbon monoxide (CO) emissions.</li> </ul>

<sup>15</sup> World Health Organization (WHO), Ambient Air Pollution: A Global Assessment of Exposure and Burden of Disease, 2016.



GRI 416: Customer lealth and Safety 2016	Disclosure 416-1 Assessment of the health and safety impacts of product and service categories	Describe actions taken to improve product quality to reduce air emissions.
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#### **Resources and references** 569

- 570 GRI 305: Emissions 2016 and GRI 416: Customer Health and Safety 2016 list authoritative
- intergovernmental instruments and other sources relevant to reporting on this topic. 571
- The additional intergovernmental instruments and references used to develop this topic description as 572
- pic by the of the one-senten official position o 573 well as further resources that may be helpful for understanding and reporting on the topic by the coal 574



### 575 2.5 Biodiversity

576 Biodiversity not only has intrinsic value, but is also vital to climate, human health and well-577 being, food security, and economic prosperity. This topic covers impacts on biodiversity,

578 including on plant and animal species and genetic diversity.

579 Coal operations typically require large-scale infrastructure development, which have direct, indirect, 580 and cumulative <u>impacts</u> on biodiversity in the short and long term. Due to the scale and long lifespans 581 of coal projects, impacts can occur well beyond a project's temporal and geographical parameters, 582 including after closure and rehabilitation. Direct impacts include air, soil, and water contamination, 583 deforestation, soil erosion, and sedimentation of waterways. Other impacts include habitat 584 fragmentation and conversion, the introduction of invasive species and pathogens, and species 585 mortality.

- 586 Impacts on biodiversity can result from land clearance for pits, access routes, and progressive
- 587 expansion into new areas; habitat fragmentation from access roads and other linear infrastructure;
- disruption of <u>surface water</u>, wetland, and <u>groundwater</u> ecosystems; and <u>effluent</u> discharges,
   groundwater, or surface stream contamination from acidic water, coal tailings ponds, or overburden
- 589 groundwater, or surface stream contamination from acidic water, coartainings ponds, or overburden 590 piles.
- 591 Different mining methods present distinct risks for biodiversity. Open-pit mines generate more severe
- impacts than underground mines due to progressive deepening and widening of the mining site,
- increasing affected areas over time. Coal resources can also be located in sensitive ecosystems or
- areas with high biodiversity value, which can exacerbate impacts on biodiversity. In addition,
   increased human settlement around operational sites can have impacts through opening of routes to
- increased human settlement around operational sites can have impacts through opening of routes topreviously inaccessible areas, adding stress and contributing to cumulative impacts within the
- 597 landscape.
- 598 Coal activities can contribute to cumulative impacts on biodiversity. For example, habitat
- fragmentation caused by the presence of a mining site can be compounded by land use change from
- agricultural operations. Extensive land use requirements for open-pit mining can also contribute to
- 601 GHG emissions and climate change, namely through land use change resulting in removal of carbon
- sinks. Climate change, in turn, is expected to affect all aspects of biodiversity including individual
   organisms, populations, species distribution, and ecosystem composition and function and the
- 604 impacts are anticipated to become more severe as temperatures increase.
- The coal sector has participated in developing a mitigation hierarchy tool, which can be used to limit
- and manage negative impacts on biodiversity and ecosystems. The tool presents a prioritized
- sequence of measures for the sustainable management of natural resources, with preventive actions
- taking precedence over remediation. Priority is given to avoidance and, where avoidance is not
- possible, to minimization of impacts. Only at the point that all preventative steps are adopted shouldremediation measures be used, including rehabilitation or restoration of degradation or damage, and
- 611 offsetting residual impacts remain after all other measures have been applied.<sup>16</sup>

<sup>16</sup> Cross Sector Biodiversity Initiative (CSBI), <u>A cross sector guide for implementing the Mitigation Hierarchy</u>, 2015.



#### 612 What to report

613 If an organization in the coal sector has identified biodiversity as a <u>material topic</u>, this section helps it 614 determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations	
Management of the	Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	<ul> <li>Describe any commitments to achieving no net loss or net gain to biodiversity on operational sites, and report whether these commitments apply to existing or future operations, and whether they also apply to operations beyond areas of <u>high</u> <u>biodiversity value</u>.</li> <li>Report whether application of the mitigation hierarchy has informed actions to manage the topic and related impacts.</li> </ul>	
Topic Standards di	sclosures		
<u>GRI 304:</u> <u>Biodiversity 2016</u>	Disclosure 304-1 Operational sites owned, leased, managed in, or adjacent to protected areas and areas of high biodiversity value outside protected areas	0`	
	Disclosure 304-2 Significant impacts of activities, products, and services on biodiversity		
This docume	Disclosure 304-3 Habitats protected or restored	<ul> <li>Describe how the application of the mitigation hierarchy has resulted in:</li> <li><u>areas protected</u> through avoidance measures or through offset measures;</li> <li><u>areas restored</u> through on-site restoration measures or through offset measures.</li> </ul>	
THIS	Disclosure 304-4 IUCN Red List species and national conservation list species with habitats in areas affected by operations		

#### 615 **Resources and references**

- 616 GRI 304: Biodiversity 2016 lists authoritative intergovernmental instruments and other sources
- 617 relevant to reporting on this topic.
- 618 The additional intergovernmental instruments and references used to develop this topic description as
- 619 well as further resources that may be helpful for understanding and reporting on the topic by the coal
- sector are listed on in the Bibliography on page 69.



#### 2.6 Waste 621

Waste refers to anything that a holder discards, intends to discard, or is required to discard. 622

When inadequately managed, waste can have significant negative impacts on the environment 623

624 and human health, often extending beyond locations where waste is generated and discarded.

This topic covers impacts from waste, including as a result of construction and remediation 625

activities from active and inactive sites. 626

627 Waste impacts from coal activities can include contamination of surface water, groundwater, and food

sources with chemicals and heavy metals. Further effects can be loss of land productivity and 628

erosion. Certain wastes require particularly robust management due to their type or volume. In remote 629 areas with limited waste disposal methods, waste impacts can be more severe or harder to monitor 630

- 631 The largest waste stream from coal operations comprises overburden, rock waste, and tailings. Often
- produced in large quantities, these wastes can also contain toxic or noxious substances, including 632
- heavy metals. Effective waste management and minimization are therefore critical for protecting local 633 634 communities and preventing damage to the environment.
- Overburden from surface mining is usually stored on adjacent undisturbed land until it can backfill the 635
- pit once mining is complete. Disposal options are limited for some surface mining techniques, such as 636
- mountain-top removal, since the overburden cannot be returned to the pit. In these cases, the 637
- 638 disposal method consists of adjacent valley filling, which can lead to various environmental and
- 639 biodiversity impacts, such as burial of waterways and concentration of noxious substances harmful to
- 640 ecosystems and humans (see also Water and effluents).
- Rock waste and coarse tailings are usually managed on heaps or disposed in constructed waste rock 641
- 642 dumps or former open-pit operations. Associated environmental impacts concern air pollution from
- 643 dust from these dumps, which wind or rainwater can carry to affect air quality, watercourses, or lands.
- 644 Coal slurry waste from mining and processing is generally discarded into ponds, filtered, stored in
- heaps, or disposed of in underground voids. Surface tailing storage facilities can cover vast areas and 645
- 646 be contained by tailings dams. Tailings without harmful substances can be drained and stored until
- being reshaped and covered with soil and vegetated. However, tailings pose a health risk for local 647
- communities when they contain heavy metals, cyanide, chemical-processing agents, sulfides, or 648
- 649 suspended solids that can pollute the environment, including groundwater and surface water
- 650 (incidents related to tailings facilities are discussed in Asset integrity and critical incident
- 65 I management).
- Other typical wastes from coal operations include waste oils and chemicals, spent catalysts, solvents 652 and other industrial wastes, as well as packaging and construction wastes. 653
- 654 The nature and quantity of generated waste often requires management beyond the productive phase
- 655 of a mining operation. At the end of a coal exploration or extraction project, closure and rehabilitation
- can also yield significant waste, which can have lasting environmental and socioeconomic rtis docume 656
- consequences. 657



#### 658 What to report

If an organization in the coal <u>sector</u> has identified waste as a <u>material topic</u>, this section helps it
 determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations	
Management of the t	Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	SB	
Topic Standards dise	closures		
<u>GRI 306: Waste</u> 2020	Disclosure 306-1 Waste generation and significant waste-related impacts	on of the	
	Disclosure 306-2 Management of significant waste-related impacts	al positile	
	Disclosure 306-3 Waste generated	Report a breakdown of the composition of waste by the following waste streams: - overburden; - rock waste; - tailings.	
	Disclosure 306-4 Waste diverted from disposal	Report a breakdown of the composition of waste by the following waste streams: - overburden; - rock waste; - tailings.	
	Disclosure 306-5 Waste directed to disposal	Report a breakdown of the composition of waste by the following waste streams: - overburden; - rock waste; - tailings.	

### 661 **Resources and references**

662 *GRI 306: Waste 2020* lists authoritative intergovernmental instruments and other sources relevant to 663 reporting on this topic.

664 The additional intergovernmental instruments and references used to develop this topic description as

well as further resources that may be helpful for understanding and reporting on the topic by the coalsector are listed on in the Bibliography on page 69.



### 667 **2.7 Water and effluents**

Recognized by the United Nations as a human right, access to fresh water is essential for
 human life and wellbeing. The amount of water withdrawn and consumed by an organization
 and the quality of its discharges can have impacts on ecosystems and people.

671 Coal activities can have <u>impacts</u> on the availability and quality of water resources, which can in turn
 672 have impacts on ecosystems and water users. The coal <u>sector</u>'s widespread use of water in
 673 operations can reduce water availability for <u>local communities</u> and other sectors that also rely on the
 674 resource. Certain mining methods can involve substantive vegetation clearance and land use

675 changes, which can also lead to erosion and sediments flows. Alterations in water flows and

- 676 increased sedimentation affect water quality and aquatic and terrestrial habitats.
- 677 Water in coal mining is used for cooling and cutting in mines; dust suppression in mining and hauling;
- washing to improve coal quality; re-vegetation of surface mines; and long-distance transportation of
- coal slurry. The amount of water needed for operations depends on whether mining occurs on the
   surface or underground as well as on operational efficiency. The amount of water withdrawn also
- varies according to the ability to substitute water, water quality, reservoir characteristics, and recycling
- 682 infrastructure.
- 683 The coal sector's impacts on water additionally depends on the quantity of water resources in the
- local context; where water is scarce, the sector has a greater impact. A large proportion of the world's
- coal resources are found in areas that are arid or experience <u>water stress</u>. In such areas, the sector's
- 686 activities are likely to increase competition for water with other demands such as for household use
- and fishing, aquaculture, or agriculture activities and exacerbate tensions between as well as within
- sectors or local communities. Droughts, floods, and other extreme weather events related to climate
- 689 change will likely pose more challenges related to water availability and quality.
- 690 Coal activities can have significant impacts on the quality of <u>surface water</u> and <u>groundwater</u>, which
- 691 can translate into long-term implications for ecosystems and biodiversity, spread waterborne
- diseases, cause health and development problems for humans, and impair food chain productivity.
- These impacts can occur from leaching from tailings, failure of tailings facilities, and acid mine
- drainage, which involves acidic water containing heavy metals. Underground operations might also
- disrupt or contaminate aquifers. Transportation accidents and related coal <u>spills</u> can result in
   waterways and wetlands being contaminated with harmful materials, such as arsenic, lead, mercury,
- 696 waterways and wetlands being conta697 and sulfur compounds.

### 698 What to report

If an organization in the coal sector has identified water and <u>effluents</u> as a <u>material topic</u>, this section
 helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the t	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	



Topic Standards disclosures		
GRI 303: Water and Effluents 2018	Disclosure 303-1 Interactions with water as a shared resource	
	Disclosure 303-2 Management of water discharge-related impacts	Describe actions taken to prevent or manage impacts from acid mine drainage.
	Disclosure 303-3 Water withdrawal	655
	Disclosure 303-4 Water discharge	CT HO
	Disclosure 303-5 Water consumption	cition

#### 701 **Resources and references**

GRI 303: Water and Effluents 2018 lists authoritative intergovernmental instruments and other 702 Ś.C

sources relevant to reporting on this topic. 703

The additional intergovernmental instruments and references used to develop this topic description as 704

705 well as further resources that may be helpful for understanding and reporting on the topic by the coal 706 sector are listed on in the Bibliography on page 69.

ris document does not represent



## 707 2.8 Economic impacts

An organization's activities can have impacts on the economic conditions of its stakeholders and on economic systems through, for example, revenues and other payments, hiring, and procurement. Infrastructure investments and services supported by an organization can also have impacts on a community's well-being and long-term development. This topic covers economic impacts at local, national, and global levels.

713 Coal activities can be an important source of investment and income for <u>local communities</u>, countries,

- and regions. Actual <u>impacts</u> vary according to the scale of operations, stimulation of other economic
- 715 activity, and effectiveness of management of coal-related revenues by local governments. In some
- 716 resource-rich countries, a significant amount of the gross domestic product is derived from
- investments in the development of coal resources and revenues from mining. However,
   mismanagement of these revenues can harm economic performance and lead to macroeconomic
- 718 mismanagement of these revenues can harm economic performance and lead to macroeconomic 719 instability and distortions (see Payments to governments and Anti-corruption). Economies dependent
- 720 on finite resources can also be vulnerable to commodity price and production fluctuations.
- 721 The coal <u>sector</u> can have positive impacts on communities, countries, and regions through royalty
- payments, taxes, and wealth creation. Investments by coal organizations in the development of
- enabling <u>infrastructure</u>, such as public power utilities to improve access to energy, can benefit local
- communities. Coal activities can also stimulate economies and create local employment, with well-
- paid jobs in the coal sector potentially resulting in increased purchasing power. Skills development of
- 726 local communities through education and training can also help increase access to jobs in the sector.
- Positive impacts on local businesses can result from local procurement of <u>products</u> and <u>services</u> as
- well as from <u>supplier</u> development.
- 729 The extent to which local communities benefit from the coal sector's presence depends on existing
- development and industrialization levels and the community's capacity to offer qualified workers for
- the new employment opportunities. In addition, the net employment impacts depend on how
- employment by the sector affects existing jobs in other sectors. These impacts can also be affected
   by an organization's employment practices. For example, a fly-in-fly-out work approach can offset
- 733 by an organization's employment practices. For example, a fig-in-fig-out work approach can offset 734 pressures associated with influxes of people in small communities while still supplying workers to fill
- 734 pressures associated with induces of people in small communities while still supplying workers to im 735 positions. However, this approach reduces employment opportunities available to local communities,
- 736 thus detracting from potential economic benefits.
- 737 Introduction of new coal activities can also generate negative impacts on local communities, including
- 738 competition over jobs and economic disparity; <u>vulnerable groups</u>, including women, are often
- disproportionately affected (see also Local communities). An influx of external workers can increase
- pressure on housing, infrastructure, and public services. Other potential negative impacts include
- environmental legacy costs related to, for example, contamination, incidents, or lack of proper
   rehabilitation after closure (see also Closure and rehabilitation).
- 743 Governments and regions with coal resources currently face the risk of stranded assets due to stricter 744 climate policies and technological developments driving the transition to a low-carbon economy (see
- 744 Climate policies and reciliological developments driving the transition to a low-carbon economy (see 745 Climate adaptation and resilience). The transition is expected to result in significant reductions in coal
- 746 mining, making communities and countries that depend on the sector's revenues or employment
- 747 vulnerable to resulting economic downturn. In these cases, collaboration between local and national
- 748 governments and organizations in the coal sector is essential to ensure a just transition.



### 749 What to report

If an organization in the coal sector has identified economic impacts as a <u>material topic</u>, this section
 helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	Describe the organization's approach to providing local procurement and employment opportunities, including training programs.
Topic Standards disc	losures	
GRI 201: Economic Performance 2016	Disclosure 201-1 Direct economic value generated and distributed	Report direct economic value generated and distributed by project.
GRI 202: Market Presence 2016	Disclosure 202-1 Ratios of standard entry level wage by gender compared to local minimum wage	FICIAL PO-
	Disclosure 202-2 Proportion of senior management hired from the local community	
GRI 203: Indirect Economic Impacts 2016	Disclosure 203-1 Infrastructure investments and services supported	
	Disclosure 203-2 Significant indirect economic impacts	
GRI 204: Procurement Practices 2016	Disclosure 204-1 Proportion of spending on local suppliers	

### 752 **Resources and references**

- 753 GRI 201: Economic Performance 2016 and GRI 202: Market Presence 2016 list authoritative
- 754 intergovernmental instruments and other sources relevant to reporting on this topic.

755 The additional intergovernmental instruments and references used to develop this topic description as

well as further resources that may be helpful for understanding and reporting on the topic by the coalsector are listed on in the Bibliography on page 69.



## 758 **2.9 Local communities**

Local communities can comprise individuals or groups of individuals living and/or working in
 areas that are affected or that could be affected by an organization's activities. An organization
 is expected to conduct community engagement to understand the vulnerabilities of local
 communities and how they might be affected by the organization's activities. This topic covers
 socioeconomic, cultural, health, and human rights impacts on local communities.

764 Coal organizations can have positive <u>impacts</u> on <u>local communities</u> through employment, local

procurement, and local taxes (see also Economic impacts, Employment practices and Payments to

766 governments). Organizations in the sector can also benefit local communities through community
 767 development programs and providing access to infrastructure and services, including access to

row <u>development programs</u> and providing access to <u>inmastracture</u> and <u>services</u>, including a energy, if the services and infrastructure are designed with community needs in mind.

769 The coal sector's activities can also lead to negative impacts on communities. For example, and use

770 requirements for activities or transportation and distribution of <u>products</u>, influxes of people seeking

employment and economic opportunities, environmental degradation, and use of natural resources for
 sector activities can all cause negative impacts. Types and significance of impacts commonly

sector activities can all cause negative impacts. Types and significance of impacts commonly
 associated with the sector vary according to the characteristics and context of the local community.

The Land use requirements can cause displacement and loss of access to land, water and other natural

775 resources (see Land and resource rights). Land use for coal mining can compete with other land

view view of the state of the s

individuals in local communities. The sector's land use may also result in damage to cultural heritage

sites, which can lead to loss of culture, tradition, or cultural identity. Such damage especially affects

indigenous peoples. Decreased availability of resources can have more severe impacts on women,

780 who are often responsible for obtaining water, food, and fuel

781 The arrival of workers from the surrounding areas or through a fly-in-fly-out work approach during

782 construction or expansion of a coal mine might lead to greater economic inequality within the local

community. There may be an increase in activities that compromise social order, such as substance

abuse, gambling, and prostitution, specifically affecting <u>vulnerable groups</u>. The influx of predominantly

785 male migrant workers can also change the social dynamics of the local community. This impacts 786 women in particular, as it can lead to a rise in sexual violence and trafficking as well as sexually

786 women in particular, as it can lead to a rise in sexual violence and trafficking as well as sexually 787 transmitted diseases (see also Rights of indigenous peoples). The sector has also been linked to

transmitted diseases (see also Rights of indigenous peoples). The sector has also been linked to
 domestic and gender-based violence, both on mining sites and in local communities. In-migration of

- 788 domestic and gender-based violence, born on mining sites and in local communities. In-migration of 789 workers can also introduce new communicable diseases and increase pressure on local services and
- 790 resources.

791 Organizations can have further impacts on community health, safety, and well-being due to air, soil,

and water pollution; increased levels of noise and light; <u>waste</u> streams and leaks; and dust. Incidents,

such as explosions, fires, mine collapses, <u>spills</u>, and tailings dams failures, can threaten the safety of
 local communities (see also Asset integrity and critical incident management). Increased traffic to

795 operational sites can pose additional road accident hazards.

796 When operating in areas of pre-existing conflict or where negative impacts from coal activities are left 797 unattended, conflicts can arise or become exacerbated (see also Conflict and security).

798 Effective local community engagement can contribute to better management of the social impacts of

coal projects. If organizations in the coal sector overlook or poorly execute such engagement,

800 community concerns might not be understood or addressed, which can exacerbate existing impacts 801 or create new ones.



### 802 What to report

803 If an organization in the coal sector has identified local communities as a <u>material topic</u>, this section
 804 helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations		
Management of the to	Management of the topic			
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	<ul> <li>Describe the means for identifying and engaging with local communities.</li> <li>List the vulnerable groups that the organization has identified.</li> <li>List any collective or individual rights that the organization has identified to be of particular concern to the local communities.</li> <li>Note: These recommendations are based on the guidance to clause 1.1 in GRI 413: Local Communities 2016.</li> </ul>		
Topic Standards disc	losures			
<u>GRI 413: Local</u> Communities 2016	Disclosure 413-1 Operations with local community engagement, impact assessments, and development programs			
	Disclosure 413-2 Operations with significant actual and potential negative impacts on local communities	Describe significant impacts on the health of local communities as a result of <u>exposure</u> to pollution caused by the organization's operations or use of hazardous substances.		
Additional sector dis	Additional sector disclosures			
Report the number and description of disputes from local communities, including actions taken and outcomes of the actions.				

### 805 **Resources and references**

- 806 *GRI 413: Local Communities 2016* lists authoritative intergovernmental instruments and other sources 807 relevant to reporting on this topic.
- 808 The additional intergovernmental instruments and references used to develop this topic description as
- well as further resources that may be helpful for understanding and reporting on the topic by the coal
   sector are listed on in the Bibliography on page 69.



## 811 2.10 Land and resource rights

812 Land and resource rights encompass the rights to use, manage and control land, fisheries,

813 forests, and other natural resources. Organizations can have impacts on the availability and

accessibility of these to local communities and other users. This topic covers impacts from an

organization's use of land and natural resources on human rights and tenure rights, including

816 from resettlement of local communities.

817 Coal operations require access to land for prospecting, exploration, mining, coal and <u>waste</u> storage,

processing, transportation, and distribution of <u>products</u>. This can sometimes lead to displacement of

other land users, restricted access to resources and services, and resettlement. <u>Impacts</u> from land
 use vary according to methods of extraction, resource location, processing required, and

transportation methods. For example, displacement is more often associated with open-pit mining

than underground coal mining.

823 Unclear rules regarding tenure rights to access, use, and control land often cause disputes, economic

and social tensions, and conflict. Insufficient consultation with, and inadequate compensation to,

825 affected communities can also exacerbate tensions and conflict. For example, the relationship

between subsurface (i.e., mineral) rights and surface (i.e., land) rights might be unclear; formal
 statutory tenure rules might overlap or conflict with traditional customary rules; legitimate rights may

827 statutory tenure rules might overlap or conflict with traditional customary rules, legitimate rights may

828 not be recognized or enforced; or people may lack formal documentation of their rights to land.

829 Community consultations may also fail to include all affected members. Women, for example, are 830 often excluded from decision-making processes related to the development a new project.

831 Organizations may provide <u>local communities</u> with monetary compensation or land that is equivalent

to lost assets. However, determining the value of local communities' lost access to the natural

833 environment is complex. It requires considerations of income-generating activities, human health, and

non-material aspects of quality of life. The amount of compensation provided may therefore not be

equivalent to the loss suffered. In some cases, customary titleholders to the land may not be
 compensated at all or may only be compensated for crops they were cultivating on the land rather

837 than also for the land itself.

838 Involuntary resettlement of local communities can have impacts on people's livelihoods and human 839 rights. These impacts can be exacerbated for vulnerable groups. Involuntary resettlement can involve

physical displacement (e.g., relocation or shelter loss) and economic displacement (e.g., loss or

access to assets). Involuntary resettlement typically requires more extensive engagement between

organizations and local communities. Impacts of resettling communities can be exacerbated by a

flawed process or lack of transparency, for example, in the absence of free, prior, and informed consent (FPIC), specifically for indigenous peoples.

consent (FPIC), specifically for<u>indigenous peoples</u>.

845 Community members resisting resettlement can also face threats and intimidation, as well as violent,
 846 repressive, or life-threatening removal from lands by security forces or government agents (see also

847 Conflict and security)



### 848 What to report

849 If an organization in the coal <u>sector</u> has identified land and resource rights as a <u>material topic</u>, this
 850 section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations	
Management of the topic			
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	Describe how the organization seeks to ensure meaningful engagement with vulnerable groups, including how it ensures safe and equal gender participation. Note: This recommendation is related to SE-1 Approach to stakeholder engagement. If the information reported by the organization in SE- 1 describes how it seeks to ensure meaningful engagement with vulnerable groups, the organization can provide a reference to this information.	
Topic Standards disc	losures		
<u>GRI 413: Local</u> <u>Communities 2016</u>	Disclosure 413-1 Operations with local community engagement, impact assessments, and development programs	anoffic	
2	Disclosure 413-2 Operations with significant actual and potential negative impacts on local communities	<ul> <li>Report the locations of operations or facilities which necessitated involuntary resettlement or where such resettlement is ongoing. For each location, describe how peoples' livelihoods and human rights were affected as a result of the resettlement, and any remedy provided. (For example, describe the impacts on people's customary rights, cultural rights, and access to economic resources and services as a result of the resettlement, and any remedy provided.)</li> </ul>	
This docume.		<ul> <li>Describe the process for providing remediation to local communities subject to involuntary resettlement, such as the process for establishing compensation for loss of assets or other assistance to improve or restore standards of living or livelihoods.</li> </ul>	

### 851 Resources and references

852 *GRI 413: Local Communities 2016* lists authoritative intergovernmental instruments and other sources
 853 relevant to reporting on this topic.

854 The additional intergovernmental instruments and references used to develop this topic description as

855 well as further resources that may be helpful for understanding and reporting on the topic by the coal 856 sector are listed on in the Bibliography on page 69.



## 857 2.11 Rights of indigenous peoples

Indigenous peoples are considered a vulnerable group that could experience negative impacts
as a result of an organization's activities more severely than the general population.
Indigenous peoples have both collective and individual rights, as set out in United Nations
Declaration on the Rights of Indigenous Peoples and other international human rights
instruments. This topic covers impacts on the rights of indigenous peoples.

863 The coal sector can have impacts on indigenous peoples that are often connected with sociocultural factors, such as their cultural heritage and special relationship with land. Development of coal 864 activities can present positive economic impacts through, for example, employment opportunities and 865 866 community development programs but the sector's activities can also disrupt indigenous peoples' cultural, spiritual, and economic ties to their lands or natural environments, compromise their rights 867 868 and well-being, and cause displacement (see also Land and resource rights). Availability of and 869 access to water, as a key concern for indigenous communities, can also be impacted. Considering 870 many indigenous peoples' distinct relationship with and dependence on nature, the sector's role as a 871 major contributor to climate change exacerbates impacts on the environment.

872 The collective and individual rights of indigenous peoples are recognized in international instruments.

- 873 Indigenous peoples also often have a special legal status in national legislation, and/or can be
- 874 customary or legal owners of lands to which organizations in the coal sector are granted use rights by
- governments. As such, before initiating development projects that require resettlement or have
- potential impacts on lands or resources used or owned by indigenous peoples, organizations are
- expected to seek free, prior, and informed consent (FPIC) from indigenous peoples. This right is
- recognized in the United Nations Declaration on the Rights of Indigenous Peoples and allows
   indigenous peoples to give or withhold consent to a project that may affect them or their territories as
- 80 well as to negotiate project conditions. However, some national governments might not recognize or
- enforce indigenous land rights or indigenous peoples' rights to consent. Documented cases show
- absence of good faith consultations as well as undue pressure and harassment toward indigenous
- peoples to accept projects; opposition to such projects has in some cases led to violence and death
- (see also Conflict and security). Organizations in the coal sector and indigenous peoples regularly
- have disputes and conflicts over land ownership and rights.
- The sector can further undermine social cohesion, welfare, and safety of indigenous communities
   through tension created by the influx of foreign <u>workers</u>, risks of prostitution and <u>forced labor</u>, violence
   against women, and increased <u>exposure</u> to communicable diseases (see also <u>Local communities</u>).
   Negative socioeconomic impacts from coal mining projects often affect indigenous women more than
   men.
- 891 What to report
- 892 If an organization in the coal sector has identified rights of indigenous peoples as a <u>material topic</u>, this
   893 section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	Describe the mutually accepted process to incorporate the right to free, prior, and informed consent (FPIC) and other rights as set out in the United Nations Declaration on the Rights of Indigenous Peoples and the International Labour Organization Convention 169 'Indigenous and Tribal Peoples'.



		Describe how the organization seeks to ensure meaningful engagement with indigenous peoples, including how it ensures safe and equal gender participation. Note: this recommendation is related to SE- 1 Approach to stakeholder engagement. If the information reported by the organization in SE-1 describes the means for ensuring equal and safe gender participation, the organization can provide a reference to this information.
Topic Standards disc	losures	
GRI 411: Rights of Indigenous Peoples 2016	Disclosure 411-1 Incidents of violations involving rights of indigenous peoples	Sition
GRI 413: Local Communities 2016	Disclosure 413-1 Operations with local community engagement, impact assessments, and development programs	Describe the process for identifying and implementing <u>community development</u> <u>programs</u> for indigenous peoples, such as providing training and access to jobs, providing supply opportunities and benefit- sharing contracts, or implementing an indigenous employment strategy.
	Disclosure 413-2 Operations with significant actual and potential negative impacts on local communities	List the locations of operations where indigenous peoples are present or affected by ongoing coal activities.

## 894 **Resources and references**

895 *GRI 411: Rights of Indigenous Peoples 2016* and *GRI 413: Local Communities 2016* list authoritative
 896 intergovernmental instruments and other sources relevant to reporting on this topic.

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897 The additional intergovernmental instruments and references used to develop this topic description as

well as further resources that may be helpful for understanding and reporting on the topic by the coal sector are listed on in the Bibliography on page 69.



## 900 2.12 Conflict and security

901 An organization's activities may trigger conflict, or they may be located in areas facing conflict

902 situations. An organization's use of security personnel or reliance on national security forces

in conflict situations can have negative impacts and needs to be carefully managed to ensure

that the human rights of local communities and other third parties are respected. This topic

905 covers the organization's security practices and its approach to operating in areas of conflict.

Many organizations in the coal <u>sector</u> operate in regions and situations of conflict. Pre-existing
 conflicts are common when, for example, organizations operate in countries characterized by political
 and social instability. The risk of human rights abuses is heightened in areas of conflict.

909 Conflict can also be caused by the presence of coal activities. These conflicts can be triggered by

- 910 poor engagement with or exclusion of <u>local communities</u> and <u>indigenous peoples</u> from decision-
- 911 making processes; uneven distribution of economic benefits; negative <u>impacts</u>, such as environmental
- 912 pollution or reduced access to resources seen as disproportionate to the benefits received; or
- 913 disputes over use of scarce resources. Conflict can also be triggered by mismanagement of coal 914 related revenues by public officials for individual gains at the expense of local interests (see also Anti-
- related revenues by public officials for individual gains at the expense of local interests (see also A
- 915 corruption).
- 916 Organizations in the coal sector may use <u>security personnel</u> to protect their assets or ensure their
- 917 workers' safety. Security personnel may take action against community members, including when
- 918 they are protesting projects or protecting their lands. These actions can violate human rights, such as
- 919 rights to freedom of association and freedom of speech, as well as lead to violence, injuries, or
- 920 deaths. Security contractors may also be connected to military or paramilitary groups.
- 921 Security may be provided by host government police or military forces. In such cases, organizations in
- the coal sector might be involved with negative human rights impacts as a result of their <u>business</u>
   relationships with these military and security forces, over whose actions they have limited control.
- 924 When coal projects are endorsed by local governments but remain disagreeable to local communities,
- 925 the use of private military or security forces may increase tensions and exacerbate the power
- 926 imbalance between companies and local communities.
- 927 Effectively addressing such negative impacts involves assessing security risks, which includes
- 928 engaging with <u>stakeholders</u>, and working with security providers to ensure human rights are
- respected. This may also help organizations improve safety and security in local communities
- through, for example, facilitating communication between government security forces and local
- 931 communities and supporting efforts to address other sources of conflict.



#### 932 What to report

933 If an organization in the coal sector has identified conflict and security as a material topic, this section 934 helps it determine what to report on this topic.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	List the organization's significant operations in areas of conflict.
Topic Standards disclosures		
<u>GRI 410: Security</u> Practices 2016	Disclosure 410-1 Security personnel trained in human rights policies or procedures	of the

#### 935 **Resources and references**

- GRI 410: Security Practices 2016 lists authoritative intergovernmental instruments and other sources 936 G
- 937 relevant to reporting on this topic.
- The additional intergovernmental instruments and references used to develop this topic description as 938
- well as further resources that may be helpful for understanding and reporting on the topic by the coal . 69. 69. this document does not represent 939 940 sector are listed on in the Bibliography on page 69.  $\mathcal{O}$



## **2.13 Asset integrity and critical incident management**

942 Asset integrity and critical incident management deal with prevention and control of incidents

that can lead to fatalities, injuries or ill health, environmental impacts, and damage to
 communities and infrastructure. This topic covers impacts from such incidents and an

945 organization's approach to critical incident management.

946 Critical incidents in the coal <u>sector</u> can have catastrophic consequences on <u>workers</u>, <u>local</u>

947 <u>communities</u>, and the environment, as well as cause damage to the organization's assets. In addition

to fatalities and injuries, these incidents can cause economic loss, conflict, threats to livelihoods,

949 compromised food safety and security, social disruption, cultural erosion, litigation stress,

950 environmental degradation, and direct species mortality. Incidents that cause methane and other

951 <u>GHG emissions</u>, such as gas and coal dust explosions, also contribute to climate change.

952 Critical incidents related to coal mining include mine collapses, poisonous gas leaks, dust explosions,

stope collapses, fires, mining-induced seismicity, floods, vehicle collisions, and mechanical errors due

to improperly operated or malfunctioning equipment (see also Occupational health and safety). Coal

- fires can release fly ash and smoke containing GHG emissions and toxic chemicals that can enter food chains.
- 957 Other critical incidents involve failures related to tailings management. Poor management or design of
- tailing facilities can lead to leaks or collapses, with severe <u>impacts</u> on local communities, livelihoods,

959 <u>infrastructure</u>, and the environment. Failures can be due to poor water management, overtopping,

foundation or drainage failure, erosion, and earthquakes. Impacts become more severe when tailings

also contain high levels of bioavailable metals or hazardous chemicals. Incidents related to spills and

962 leaks of coal slurry ponds and tailings pipelines can also cause significant damage.

963 Critical incident risks can be identified and anticipated through implementation of a critical control

964 management approach, which addresses the sources or factors likeliest to lead to potential incidents.

965 Organizations can mitigate their impacts through measures that ensure emergency preparedness and

response. This includes effective communication with local communities to mitigate <u>exposure</u> to

- 967 pollution and other impacts during emergencies (see also Local communities). Effective critical control
   968 management can also limit impacts associated with natural calamities and extreme weather events.
- 969 which are likely to increase in frequency and intensity due to climate change.

### 970 What to report

971 If an organization in the coal sector has identified asset integrity and critical incident management as
972 a <u>material topic</u>, this section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the	topic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	<ul> <li>Report whether the organization complies with the Global Industry Standard on Tailings Management (GISTM) and, if so, provide a link to the latest information disclosed in line with GISTM Principle 15.</li> <li>Describe the actions taken to:         <ul> <li>manage impacts from tailings facilities throughout the lifecycle, including closure and post-closure;</li> </ul> </li> </ul>



		0	prevent catastrophic failures of tailings facilities. <sup>17</sup>	
Topic Standards disc	losures			
GRI 306: Effluents and waste 2016	Disclosure 306-3 Significant spills			
Additional sector dise	Additional sector disclosures			
<ul> <li>List the organization's tailings facilities.</li> <li>For each tailings facility, report the following information: <ul> <li>description of the tailings facility;</li> <li>operational status (active, inactive, closed, etc.);</li> <li>Dam Failure Consequence Classification, in line with the GISTM;</li> <li>date and main findings from the latest risk assessment.</li> </ul> </li> </ul>				
Note: If the organization has already reported this information as specified in the additional sector recommendation to MT-3 listed above, the organization can provide a reference to this information.				
Describe the organization's emergency preparedness and response programs and plans.				

#### 973 **Resources and references**

- GRI 306: Effluents and Waste 2016 lists authoritative intergovernmental instruments and other 974
- sources relevant to reporting on this topic. 975
- The additional intergovernmental instruments and references used to develop this topic description as 976
- well as further resources that may be helpful for understanding and reporting on the topic by the coal 977 , age t , age t , ris document does not represent
- sector are listed on in the Bibliography on page 69 978

<sup>17</sup> The terms 'tailings facility' and 'catastrophic failure' are so defined in ICMM, UNDP, PRI, <u>The Global Industry Standard on</u> Tailings Management, 2020.



## 979 **2.14 Occupational health and safety**

980 Healthy and safe working conditions are recognized as a human right. Occupational health

and safety involves prevention of physical and mental harm to workers and promotion of

982 workers' health. This topic covers impacts related to workers' health and safety.

983 Many of the <u>work-related hazards</u> in the coal <u>sector</u> are associated with key processes in exploration 984 and mining phases, such as working with heavy machinery and <u>exposure</u> to or handling of explosive, 985 flammable, poisonous, or harmful substances. Despite the sector's efforts to eliminate work-related 986 hazards and improve safety, exposure to these hazards has resulted in higher fatality rates than in 987 many other sectors.

- 988 Other hazards to <u>workers</u>' health and safety can result from working in confined spaces or isolated
- locations, long working hours, and the type of physical, often repetitive, labor involved. Work-related
- hazards vary according to the extraction method. For example, workers in underground mines can be
   exposed to more health and safety risks due to challenging working conditions and confined
- exposed to more health and salety risks due to challenging working conditions and conin environments.
- 993 The coal sector extensively uses <u>suppliers</u> to perform what can amount to major parts of projects.
- 994 Suppliers are often subject to lower occupational health and safety standards than <u>employees</u>.
- 995 Suppliers can also have higher accident and fatality rates, which can be due to suppliers undertaking
- the most dangerous jobs. They might also not be covered by the coal organization's <u>occupational</u>
- 997 <u>health and safety management system</u>, be less familiar with the workplace and the organization's
- 998 safety practices, or be less committed to those practices.
- 999 Hazards associated with the coal sector with a potential to result in injury include transportation
- incidents, which are a common source of fatalities and injuries. These can occur when workers andequipment are transported to and from mining sites, sometimes over long distances along dangerous
- routes. Fires and explosions are another major hazard (see also Asset integrity and critical incident
- management), which can originate from coal dust and flammable gases, such as methane during coal
   extraction, transportation, and processing. Electrical hazards can be associated with high-voltage
- 1005 systems or equipment used in mining sites.
- 1006 Incidents categorized as 'struck-by', 'caught-in', or 'caught-between' can involve falling equipment or
- 1007 structures, faulty operation of heavy machinery, or malfunctioning of electrical, hydraulic, or
- 1008 mechanical installations. Workers can also be at risk of falls, slips, and trips, such as when workers
- access working areas or equipment located high above the ground or via underground walkways,which can be obstructed, wet, or sloped.
- TOTO which can be obstructed, wet, of sloped.
- Hazards associated with the sector with a potential to result in ill health include exposure to airborne
   respirable dust, which can lead to obstructive or debilitating lung illnesses such as asthma, cancer,
- 1013 and pneumoconiosis. Free crystalline silica released during processes that use or produce sand, such
- 1014 as coal extraction, can cause lung cancer and silicosis. Coal dusts are also associated with coal
- 1015 workers' pneumoconiosis. In addition, exposure to hydrogen sulfide released by coal seams can lead
- 1016 to incapacitation or death. Concentration of gases such as carbon monoxide, methane, and nitrogen
- 1017 in confined spaces can create poisonous environments, which can lead to asphyxiation.
- Physical hazards in the sector include extreme temperatures, which can cause fatigue and body
  stress reactions, as well as harmful levels of carcinogenic radiation from industrial processing and
  harmful levels of machinery noise. Workers can also suffer impaired hearing and musculoskeletal
  disorders due to ergonomic-related hazards, such as vibration.
- Biological hazards faced by many coal workers include exposure to viruses present in the <u>local</u>
   <u>community</u> that cause communicable diseases or bacteria as a result of poor hygiene and quality of
   water or food.
- 1025 Hazards related to work organization and psychosocial well-being due to common employment
- 1026 practices in the sector, such as the use of fly-in-fly-out work organization, can increase risks of
- 1027 fatigue, strain, or stress, and affect physical, psychological, and social health. These hazards include
- expatriation, rotational work, long shifts, irregular or odd working hours, and work that is solitary or
- 1029 monotonous. Workers can also suffer psychological reactions, such as post-traumatic stress disorder
- 1030 due to, for example, being involved in a major incident. Gender imbalance can contribute to stress,
- 1031 <u>discrimination</u>, or sexual harassment (see also Non-discrimination and equal opportunity).



### 1032 What to report

If an organization in the coal sector has identified occupational health and safety as a <u>material topic</u>,
 this section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	So
Topic Standards disclosu	ires	
GRI 403: Occupational Health and Safety 2018	Disclosure 403-1 Occupational health and safety management system	of the
	Disclosure 403-2 Hazard identification, risk assessment, and incident investigation	osition
	Disclosure 403-3 Occupational health services	X
	Disclosure 403-4 Worker participation, consultation, and communication on occupational health and safety	
	Disclosure 403-5 Worker training on occupational health and safety	
	Disclosure 403-6 Promotion of worker health	
d'a	Disclosure 403-7 Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	
This documer	Disclosure 403-8 Workers covered by an occupational health and safety management system	
is of	Disclosure 403-9 Work-related injuries	
	Disclosure 403-10 Work-related ill health	

### 1035 Resources and references

- 1036 *GRI 403: Occupational Health and Safety 2018* lists authoritative intergovernmental instruments and
   1037 other sources relevant to reporting on this topic.
- 1038 The additional intergovernmental instruments and references used to develop this topic description as
- 1039 well as further resources that may be helpful for understanding and reporting on the topic by the coal
- 1040 sector are listed on in the Bibliography on page 69.



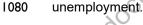
## **2.15 Employment practices**

Employment practices refer to an organization's approach to job creation, terms of

employment and working conditions for its workers. This topic also covers the employment
 and working conditions in an organization's supply chain.

Employment opportunities generated by the coal <u>sector</u>, either directly or through <u>suppliers</u>, can have

- 1046 positive socioeconomic <u>impacts</u> on communities, countries, and regions. The sector can offer well-1047 paid opportunities for skilled workers. However, employment practices in the sector are also
- 1048 associated with a number of negative impacts related to working conditions, use of contract labor and
- 1049 disparities in working conditions, inadequate labor-management consultations, and job security.
- 1050 Many jobs in the sector have rigorous shift patterns to ensure continuity of operations around the
- 1051 clock, sometimes requiring overtime employment and night shifts, which can cause high fatigue levels
- 1052 and augment risks related to occupational health and safety and critical incidents. An organization can
- also use fly-in-fly-out work arrangements, in which workers are flown to the site of operations for a
- 1054 number of weeks at a time and often required to work extended shifts. Irregular work shifts and
- schedules and time spent away from families can have further psychosocial impacts on workers.
- 1056 Various activities are commonly outsourced to suppliers. This is prevalent during peak periods, such
- as construction or maintenance works, or for specific activities, such as drilling, catering,
- 1058 transportation, and security. By outsourcing activities and using workers employed through suppliers,
- 1059 organizations in the coal sector may seek to reduce their labor costs and circumvent collective
   1060 agreements that would otherwise benefit workers in direct employment (see also Freedom of
- 1061 <u>association and collective bargaining</u>).
- 1062 Compared to employees workers who have an employment relationship with the organization, agency
- 1063 workers commonly receive less favorable employment conditions, lower compensation, and less
   1064 training. They also have higher accident rates and less job security than directly employed workers.
- 1065 They might lack social protection and access to grievance mechanisms. Workers beyond the first tiers
- 1066 of business relationships in the organization's <u>supply chain</u> may be subject to low standards for
- 1067 working conditions, exposing organizations in the coal sector human rights violations through their
- 1068 <u>business relationships</u> (see also Forced labor and modern slavery).
- Employment terms can also vary significantly for local workers, expatriates (e.g., temporary coal
   workers who are brought in by employers), migrant workers, and contractors. Remuneration might be
- 1071 unequal, and benefits, such as bonuses, housing allowances, and private insurance plans, might only
- 1072 be offered to expatriates. Lack of relevant skills, knowledge, or accessible training programs can
- 1073 restrict local communities from accessing employment opportunities created by the sector in the first
- 1074 place (see also Economic impacts).
- 1075 Job security is another concern the coal sector faces. For example, closures (see Closure and
- 1076 rehabilitation) or coal price drops can be sudden, leading to job losses. Low job security is
- 1077 compounded by automation and changing business models, such as changes triggered by the
- transition to a low-carbon economy. If organizations fail to offer workers timely skills development
   measures, improving their employability in other sectors, they can face underemployment or





### 1081 What to report

If an organization in the coal sector has identified employment practices as a <u>material topic</u>, this
 section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	So
Topic Standards disclosur	es	
<u>GRI 401: Employment</u> 2016	Disclosure 401-1 New employee hires and employee turnover	of the
	Disclosure 401-2 Benefits provided to full-time employees that are not provided to temporary or part-time employees	position
	Disclosure 401-3 Parental leave	
<u>GRI 402:</u> Labor/Management Relations 2016	Disclosure 402-1 Minimum notice periods regarding operational changes	
GRI 404: Training and Education 2016	Disclosure 404-1 Average hours of training per year per employee	
	Disclosure 404-2 Programs for upgrading employee skills and transition assistance programs	
GRI 414: Supplier Social Assessment 2016	Disclosure 414-1 New suppliers that were screened using social criteria	
. Goculi	Disclosure 414-2 Negative social impacts in the supply chain and actions taken	

### 1084 **Resources and references**

- 1085 *GRI 401: Employment 2016, GRI 402: Labor/Management Relations 2016, GRI 404: Training and* 1086 *Education 2016, and GRI 414: Supplier Social Assessment 2016* list authoritative intergovernmental
   1087 instruments and other sources relevant to reporting on this topic.
- 1088 The additional intergovernmental instruments and references used to develop this topic description as
- well as further resources that may be helpful for understanding and reporting on the topic by the coalsector are listed on in the Bibliography on page 69.



## 1091 2.16 Child labor

1092 Child labor is defined as work that 'deprives children of their childhood, their potential and

their dignity, and that is harmful to their physical or mental development including by

interfering with their education'. Freedom from child labor is a fundamental human right.

Around one million children between ages five and 17 are estimated to be engaged in artisanal and
 small-scale mining and quarrying activities.<sup>18</sup> Coal is identified as produced with the use of <u>child</u> labor
 in several countries, including Afghanistan, Colombia, Mongolia, Pakistan and Ukraine.<sup>19</sup>

1098 Coal mining activities are dangerous to children in various ways. Children face multiple hazards in

1099 coal mines, such as severe accidents and injuries, falling rocks, explosions, fires, and collapse of

1100 mine walls (see also Occupational health and safety). Other <u>impacts</u> can result from working in

- 1101 remote areas with limited access to schools and social services. If there is no family or community 1102 support, the conditions may also foster alcohol abuse, drugs, and prostitution.
- support, the conditions may also toster alconor abuse, drugs, and prostitution.
- 1103 Coal organizations interact with a high number of <u>suppliers</u> and customers, including in countries with
- 1104 low enforcement of human rights. Organizations can be linked to child labor by business relationships
- 1105 in their supply chains, such as during facilities construction. Risks of child labor in the coal sector are 1106 often found in artisanal and small-scale mining, with more prevalence in the informal sector and
- remote areas. Child labor is also more frequent in areas affected by armed conflict (see also Conflict
- 1108 and security).
- 1109 Other impacts on children's rights and well-being can result from the coal sector's impacts on the local
- 1110 communities as well as from organization's employment practices. These can include parents'
- IIII working conditions, long hours, shift work, and fly-in-fly-out practices (see also Employment
- III2 practices).

### III3 What to report

- III4 If an organization in the coal sector has identified child labor as a <u>material topic</u>, this section helps it
- III5 determine what to report on this topic.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	
Topic Standards disclosures		
GRI 408: Child labor 2016	Disclosure 408-1 Operations and suppliers at significant risk for incidents of child labor	

<sup>&</sup>lt;sup>19</sup> U.S. Department of Labor, <u>2020 List of Goods Produced by Child Labor or Forced Labor</u>, 2020.



<sup>&</sup>lt;sup>18</sup> UNICEF, <u>Children's rights and the mining sector</u>, 2015; International Labour Organisation (ILO), <u>Global Estimates of Child</u> <u>Labour – Results and Trends 2012-2016</u>, 2017.

GRI 414: Supplier Social Assessment 2016	Disclosure 414-1 New suppliers that were screened using social criteria	
	Note: This disclosure is also listed in 2.15 Employment practices. If the organization has identified employment practices as a material topic and has already reported this disclosure, the organization can provide a reference to this information.	GSSB
Resources and refe	rences	e the

#### 1116 **Resources and references**

GRI 408: Child labor 2016 and GRI 414: Supplier Social Assessment 2016 list authoritative 1117

intergovernmental instruments and other sources relevant to reporting on this topic. 1118

The additional intergovernmental instruments and references used to develop this topic description as 1119

- The additional intergovernmental instruments and references used to develop this topic description as well as further resources that may be helpful for understanding and reporting on the topic by the coal sector are listed on in the Bibliography on page 69. 1120
- 1121

GSS

## 1122 2.17 Forced labor and modern slavery

Forced labor is work or service which is exacted under the menace of penalty and for which a

person has not offered themselves voluntarily. Freedom from forced labor is a fundamental
 right at work. This topic covers impacts and expectations of organizations in relation to forced

right at work. This topic covers impacts and expectations of organizationlabor and modern slavery.

- Coal has been identified as a <u>product</u> at risk of being produced by <u>forced labor</u> or modern slavery in
- 1128 several countries, including North Korea, Pakistan, and China.<sup>20</sup> Organizations in the coal <u>sector</u> 1129 interact with a large number of suppliers, including in countries characterized by low rates of
- Interact with a large number of <u>suppliers</u>, including in countries characterized by low rates of
   enforcement of human rights. This can increase the likelihood of using suppliers that do not adhere to
- rights at work or relevant codes of conduct, leaving <u>supply chains</u> vulnerable to human rights
- 1132 violations, including incidences of modern slavery.
- Coal organizations can contribute to occurrences of modern slavery through joint ventures and other
   <u>business relationships</u>, including state-owned enterprises in countries where regular human rights
   standards violations occur.
- I I 36 Documented cases of human rights violations throughout the supply chain concern activities such as
- 1137 coal shipping and construction. Low-skilled migrant workers can also face higher risks of modern
- I 138 slavery when dealing with third-party employment agencies, such as those who have been found to
- 1139 overcharge workers for visas and flights or to demand recruitment costs be paid by <u>employees</u> rather
- 1140 than employers.

### II4I What to report

If an organization in the coal sector has identified forced labor and modern slavery as a <u>material topic</u>,
 this section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the to	ppic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	
Topic Standards disc	losures	
GRI 409: Forced or Compulsory Labor 2016	Disclosure 409-1 Operations and suppliers at significant risk for incidents of forced or compulsory labor	
This docum		

<sup>20</sup> United States Department of Labor, <u>2020 List of Goods Produced by Child Labor or Forced Labor</u>, 2020; Walk Free Foundation, <u>The Global Slavery Index 2018</u>, 2018.



<u>GRI 414: Supplier</u> <u>Social Assessment</u> <u>2016</u>	Disclosure 414-1 New suppliers that were screened using social criteria Note: This disclosure is also listed in 2.15 Employment practices. If the organization has identified employment practices as a material topic and has already reported this disclosure, the organization can provide a reference to	
	this information.	

#### **Resources and references** 1144

- GRI 409: Forced or Compulsory labor 2016 and GRI 414: Supplier Social Assessment 2016 list 1145
- authoritative intergovernmental instruments and other sources relevant to reporting on this topic. 1146
- The additional intergovernmental instruments and references used to develop this topic description as 1147
- well as further resources that may be helpful for understanding and reporting on the topic by the coal 1148 1149



## **2.18 Non-discrimination and equal opportunity**

Freedom from discrimination is a human right and a fundamental right at work. Discrimination

can impose unequal burdens on individuals or deny them opportunities instead of treating
 them fairly and on the basis of individual merit. This topic covers impacts from discrimination
 and practices related to diversity, inclusion, and equal opportunity.

1155 The conditions, locations, and types of work associated with the coal sector can set a barrier for entry

- 1156 to the sector, hinder <u>employee</u> diversity, and result in <u>discrimination</u>. Discriminatory practices can
- impede access to jobs and career development, as well as lead to unequal treatment, <u>remuneration</u>,
   and <u>benefits</u>.
- 1159 Discrimination has been documented in the coal sector concerning race, color, sex, gender, religion,
- 1160 national extraction, and worker status. For example, jobseekers from local communities are
- sometimes excluded from the hiring process because of a recruitment system bias that favors a
- 1162 dominant ethnic group or utilizes expatriate workers. Compared to expatriates, local workers might 1163 receive significantly lower pay for equal work. The sector's widespread use of contract workers, often
- 1164 with differing terms of employment, can also be a source of discrimination.
- The coal sector is characterized by a significant gender imbalance. In many countries, the percentage
- 1165 The coal sector is characterized by a significant gender imbalance. In many countries, the percentage of women working in this sector is significantly lower than the proportion of women working in other
- 1167 sectors. Women are also significantly underrepresented in senior management positions. One of the
- 1168 causes of this imbalance is that fewer women graduate with degrees pertinent to the sector, such as
- in science, technology, engineering, and mathematics. Other barriers for women and primary
- 1170 caregivers include lack of <u>parental leave</u> arrangements and childcare facilities at mining sites, long
- 1171 work hours, and fly-in-fly-out work arrangements. Social or cultural customs and beliefs and biases
- can also limit women's access to jobs in this sector or prevent them from taking on specific roles. In
- addition, some resource-rich countries have laws that prevent women from working in hazardous or
- arduous occupations.
- 1175 The coal sector has also been linked to domestic and gender-based violence, both at sites of
- 1176 operation and within local communities near operations. Male-dominated cultures, imbalanced gender
- 1177 distribution, and gendered organizational norms have been identified as factors that contribute to the
- 1178 likelihood of sexual harassment in such contexts.
- I 179 Understanding how specific groups may be subject to discrimination in the different locations where an organization operates can help the organization in effectively addressing discriminatory practices,
- for example, by providing specific training to workers on how to prevent discrimination and create a
- 1182 respectful workplace.

### **What to report**

If an organization in the coal sector has identified non-discrimination and equal opportunity as a
 material topic, this section helps it determine what to report on this topic.

Standard	Disclosure	Additional sector recommendations
Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	



Topic Standards disclosures		
GRI 202: Market Presence 2016	Disclosure 202-1 Ratios of standard entry level wage by gender compared to local minimum wage	
	Note: This disclosure is also listed in 2.8 Economic impacts. If the organization has identified economic impacts as a material topic and has already reported this disclosure, the organization can provide a reference to this information.	GSB
	Disclosure 202-2 Proportion of senior management hired from the local community	on of the
	Same note as above applies.	
GRI 401: Employment	Disclosure 401-3 Parental leave	Silli
<u>2016</u>	Note: This disclosure is also listed in 2.15 Employment practices. If the organization has identified employment practices as a material topic and has already reported this disclosure, the organization can provide a reference to this information.	ç0
GRI 404: Training and Education 2016	Disclosure 404-1 Average hours of training per year per employee	
	Same note as above applies.	
GRI 405: Diversity and equal opportunity 2016	Disclosure 405-1 Diversity of governance bodies and employees	
e e e e e e e e e e e e e e e e e e e	Disclosure 405-2 Ratio of basic salary and remuneration of women to men	
<u>GRI 406: Non-</u> discrimination 2016	Disclosure 406-1 Incidents of discrimination and corrective actions taken	

### Resources and references 1186

1187

GRI 401: Employment 2016, GRI 404: Training and Education 2016, GRI 405: Diversity and equal opportunity 2016, and GRI 406: Non-discrimination 2016 list authoritative intergovernmental 1188 instruments and other sources relevant to reporting on this topic. 1189

- 1190 The additional intergovernmental instruments and references used to develop this topic description as
- well as further resources that may be helpful for understanding and reporting on the topic by the coal 1191

1192 sector are listed on in the Bibliography on page 69.



## **2.19 Freedom of association and collective bargaining**

Freedom of association and collective bargaining are fundamental rights at work. They include

the rights of employers and workers to form, join, and run their own organizations without

prior authorization or interference, and to collectively negotiate working conditions and terms

of employment. This topic covers impacts resulting from violations of freedom of association

1198 and collective bargaining.

1199 <u>Workers'</u> rights to organize and to take collective action are essential for improving working conditions

1200 in the coal sector, including conditions relating to occupational health and safety, wages, and job

security. These rights can also enable public scrutiny about the sector's governance and practices,and help reduce social inequality.

- 1203 Many jobs associated with the sector have traditionally been represented by trade unions and
- 1204 covered by <u>collective bargaining</u> agreements, which are negotiated by national, regional, or global
- 1205 sectoral federations and associations. However, some coal resources are located in countries where
- 1206 these rights are restricted. Workers in such locations face risks when seeking to join trade unions and
- engage in collective bargaining. Even in countries where unions are legal, restrictions might exist that
   prevent effective worker representation, and workers who join unions may face intimidation or unfair
- I 208 prevent effective worker representation, and workeI 209 treatment.
- 1210 Documented cases of interference with freedom of association and collective bargaining include
- 1211 detention of managers and <u>employees</u>; invasion of privacy; not adhering to collective agreements;
- 1212 prevention of union access to workplaces in order to assist workers; refusal to bargain in good faith
- 1213 with workers' chosen unions; threats, harassment, forced disappearance, violence, and deaths; unfair
- 1214 dismissal of trade union members and leaders; and unilateral cancellation of collective bargaining
- I2I5 agreements.
- 1216 Contract workers, who are widely used in these sectors, are often excluded from the scope of
- 1217 collective bargaining agreements, which can leave them with reduced <u>benefits</u> and worse working
- 1218 conditions (see also Employment practices).

1219	Freedom of association and civic space
220  22   222  223  224  225	Freedom of association and peaceful assembly are fundamental human rights. These rights entail that both workers, through their trade unions, as well as citizens, through independent civil society, have the freedom to speak about the sector's policies and organizations' practices without interference. Restrictions imposed on civic space – the environment that enables civil society to contribute to decisions that affect individual lives – can limit citizens' ability to engage in public debate about the sector's policies and organizations' practices.
	This document

#### 1226 What to report

1227 If an organization in the coal sector has identified freedom of association and collective bargaining as 1228 a material topic, this section helps it determine what to report on this topic.

Standard	Disclosure	Additional sector recommendations
Management of the topic		
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	SB
Topic Standards disclosures		
<u>GRI 407: Freedom of</u> <u>Association and Collective</u> <u>Bargaining 2016</u>	Disclosure 407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	

#### 1229 **Resources and references**

GRI 407: Freedom of Association and Collective Bargaining 2016 lists authoritative intergovernmental 1230 instruments and other sources relevant to reporting on this topic. 1231

1232

The additional intergovernmental instruments and references used to develop this topic description as well as further resources that may be helpful for understanding and reporting on the topic by the coal 1233 1234



### 2.20 Anti-corruption 1235

1236 Anti-corruption refers to how an organization manages the potential of being involved in

1237 corruption. Corruption refers to practices such as bribery, facilitation payments, fraud,

1238 extortion, collusion, money laundering, and the offer or receipt of an inducement to do

1239 something that is dishonest or illegal. This topic covers impacts related to corruption and

1240 expectations of organizations in relation to contract and ownership transparency.

1241 Corruption in the coal sector has been linked to various negative impacts, such as misallocation of resource revenues, damage to the environment, abuse of democracy and human rights, and political 1242 instability. Corruption can lead to diversion of resource revenues from public needs, such as 1243 1244 infrastructure or basic services, which can have severe impacts, especially in countries with high 1245

levels of poverty. This can lead to increased inequalities and conflicts over coal resources.

1246 Factors increasing the likelihood of involvement with corruption include frequent interaction between 1247 coal organizations and politically exposed persons, such as government officials appointed to govern 1248 a country's natural resources for licenses and other regulations. The sector's international reach along

- with complex transactions and flows of money can further enable corruption. 1249
- 1250 Corruption in the coal sector can occur throughout the value chain, with practices that aim to:
- 1251 influencing decision-making processes in order to extract resources; .
- 1252 avoiding environmental requirements; •
- 1253 shaping policies and rules; or influence protection of land rights and land access restrictions 1254 affecting livelihoods of local communities and indigenous peoples;
- 1255 gaining preferential terms or license approvals;
- gaining favorable treatment or confidential information in the bidding process for exploration and 1256 production rights; or for avoiding specific requirements, potentially resulting in awarding licenses 1257 or contracts to less qualified organizations or securing contracts at inflated prices; 1258
- 1259 influencing environmental, social, and other regulations as well as enforcement of these 1260 regulations, as they relate to impact assessment processes or consultation with local 1261 communities:
- incentivizing suppliers of equipment, products, and services to secure contracts by using bribes 1262 and kickbacks to, for example, cover up fraud or to get a waiver of regulations or quality 1263 1264 requirements for products and services;
- gaining favorable treatment in relation to taxes and other government levies, such as royalties 1265 and import duties, to deny the state revenue, or to divert payments to private beneficiaries 1266 1267 instead:
- 1268 blocking unfavorable legislation, including environmental policies or pollution taxes (see also • Public policy and lobbying). 1269
- 1270 To combat corruption and prevent the negative impacts that stem from it, organizations are expected
- by the marketplace, international norms, and stakeholders to demonstrate their adherence to integrity, 1271 1272 governance, and responsible business practices.

#### Transparency of contracts and ownership structures 1273 1274

1275 Publication of government contracts is a growing practice that is now an international norm in the 1276 extractive industries. The practice is endorsed by organizations such as the United Nations (UN), International Monetary Fund (IMF), International Finance Corporation (IFC), International Bar 1277 1278 Association, and the Organisation for Economic Co-operation and Development (OECD). 1279 Contracts governing the extraction of oil and gas resources are commonly devised by governments and organizations on behalf of citizens or local communities without public oversight. Due to the long-1280 1281 term horizons and widespread impacts of projects, fair terms for sharing risk and rewarding benefits, 1282 including those related to a just transition, are particularly important. Contract transparency helps local communities hold governments and organizations accountable for their negotiated terms and 1283 1284 obligations. It also helps create a level playing field that enables governments to negotiate for better 1285 deals.



- 1286 Lack of transparency about ownership structures can make it difficult to determine who benefits from
- 1287 financial transactions in the sector. Beneficial ownership transparency has been identified as a
- I 288 significant opportunity to deter conflicts of interest, corruption, tax avoidance and evasion.
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- International Monetary Fund (IMF), Fiscal Transparency Initiative: Integration of Natural Resource Management Issues, 2019.
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### 1292 What to report

- 1293 If an organization in the coal gas sector has identified anti-corruption as a material topic, this section
- 1294 helps it determine what to report on this topic.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	
Topic Standards disclosures		
GRI 205: Anti- corruption 2016	Disclosure 205-1 Operations assessed for risks related to <u>corruption</u>	FICIAI P
	Disclosure 205-2 Communication and training about <u>anti-corruption</u> policies and procedures	
	Disclosure 205-3 <u>Confirmed</u> incidents of corruption and actions taken	

### Additional sector disclosures

Describe the organization's policy on contract transparency and provide a link to publicly available contracts and licenses.

If a contract or a license is not publicly available, explain the reasons why and report any actions taken by the organization to overcome any barriers to publication.

Note: This disclosure in based on EITI Standard 2019, Requirement 2.4.Contracts.

List the beneficial owners within the organization's structure and explain how the organization identifies the beneficial owners of business partners, including joint ventures and suppliers.

Note: This disclosure in based on EITI Standard 2019, Requirement 2.5. Beneficial ownership c. and f.

### 1295 **Resources and references**

- *GRI 205: Anti-corruption 2016* lists authoritative intergovernmental instruments and other sources
   relevant to reporting on this topic.
- 1298 The additional intergovernmental instruments and references used to develop this topic description as
- 1299 well as further resources that may be helpful for understanding and reporting on the topic by the coal
- 1300 sector are listed on in the Bibliography on page 69.



## **2.21 Payments to governments**

Lack of transparency about payments to governments can contribute to inefficient

management of public funds, illicit financial flows, and corruption. This topic covers impacts
 from an organization's practices related to payments to governments, and expectations of
 organizations in relation to transparency regarding such payments.

Organizations in the coal <u>sector</u> deal with a large number of complex financial transactions subject to
 a variety of payments to governments. These include taxes; commodity trading revenues; production
 rights; royalties; signature, discovery, and production bonuses; and other payments.

- 1309 Transparency about payments to governments can demonstrate the economic importance of the coal
- 1310 sector to the host countries, and enable informed decision-making and public debate. Insufficient
- 1311 transparency of these payments can impede detection of misallocation of revenues and corruption. In
- 1312 the absence of contract transparency, transparency about taxes and other payments can offer
- 1313 valuable insights into the terms of contracts and can help governments increase their accountability 1314 and strengthen revenue collection and management.
- 1315 Taxes, royalties, and other payments from organizations in the coal sector can amount to an
- 1316 important source of investment and income for local communities, countries, and regions (see
- 1317 Economic impacts). Coal organizations are often subject to paying royalties, along with widely
- 1318 applicable taxes and payments to governments, for using natural resources. Royalties are obligations
- 1319 to governments that are not based on corporate profits, but rather on amounts of the commodity
- extracted. They are designed to guarantee governments an income from the non-renewable resource
- 1321 that is protected from transfer pricing and other mechanisms used by organizations to minimize taxes.
- At the same time, the sector receives substantial subsidies from governments in many countries,
   even despite government commitments to phase out financial support by 2018.<sup>21</sup> Transparency about
- 1324 the subsidies received can be of great value interest to some stakeholders, such as investors or civil
- I 325 society.
- 1326 When disclosing information on payments to governments, organizations in the coal sector may report
- aggregate payments at a global level. However, aggregated figures provide limited insight into
   payments made in each country or per project. Reporting country-level or project-level payments
- enables governments to compare the actual payments made to those stipulated in fiscal, legal, and
- 1330 contractual terms and to assess the financial contribution of coal projects to communities. It can also
- enable tax authorities to address tax avoidance and evasion by revealing information on transfer
- 1332 pricing arrangements and transactions. This can remove information asymmetry and provide a level
- 1333 playing field for governments when negotiating contracts.

1334 State-owned enterprises

In some countries – China and India being notable examples – the largest producers of coal are state owned enterprises (SOEs). As direct customers, SOEs are also highly relevant for the sector. Of all
 power plants burning coal, 40% belong to SOEs; the figure rises to 56% if joint ventures are included.

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 SOEs often have special status, which can involve financial advantages and preferential treatment.
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<sup>21</sup> In the European Union, subsidies to coal producers added up to €9.7 billion in 2012 (<u>M. Blom et al., 'Subsidies and Costs of</u> <u>EU Energy'</u>, 2014), and remained at similar levels in the following years (see S. Whitley et al.; Overseas Development Institute (ODI), 'Cutting Europe's Lifelines to Coal: Tracking Subsidies in 10 Countries', 2017).



### I341What to report

I 342 If an organization in the coal sector has identified payments to governments as a <u>material topic</u>, this
I 343 section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Additional sector recommendations
Management of the to	opic	
GRI 103: Material Topics	Disclosure MT-3 Management of material topics	SB
Topic Standards disc	losures	
GRI 201: Economic Performance 2016	Disclosure 201-1 Direct economic value generated and distributed	
	Note: This information is also listed in 2.8 Economic impacts. If the organization has identified economic impacts as a material topic and has already reported this disclosure, the organization can provide a reference to this information.	Position
	Disclosure 201-4 Financial assistance received from government	For state-owned organizations, report the financial relationship between the government and the SOE.
	received from government	<i>Note: This disclosure is based on EITI Standard 2019 Requirement 2.6 State participation.</i>
<u>GRI 207: Tax 2019</u>	Disclosure 207-1 Approach to tax	
	Disclosure 207-2 Tax governance, control, and risk management	
umer	Disclosure 207-3 Stakeholder engagement and management of concerns related to tax	
This docume	Disclosure 207-4 Country-by-country reporting	
< KIT	·	



### Additional sector disclosures

Report a breakdown of taxes and other payments to governments by revenue stream and project.

Note: This disclosure is based on EITI Standard 2019 Requirement 4.1 Comprehensive disclosure of taxes and revenues and requirement 4.7. Level of disaggregation.

For coal purchased from the state, or from third parties appointed by the state to sell on their behalf, report:

- the volumes and types of coal purchased;
- the full names of the buying entity and of the recipient of the payment;
- the value of payments made for the purchase. \_

Note: This disclosure is based on EITI Standard 2019 Requirement 4.2 Sale of the state's share of production or other revenues collected in kind and EITI Reporting Guidelines for companies buying oil, gas and minerals from governments.

#### 1344 **Resources and references**

GRI 201: Economic Performance 2016 and GRI 207: Tax 2019 list authoritative intergovernmental 1345

- 1346 instruments and other sources relevant to reporting on this topic.
- The additional intergovernmental instruments and references used to develop this topic description as 1347
- g and i g and i g and i entroppesent an official well as further resources that may be helpful for understanding and reporting on the topic by the coal 1348
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## 1350 2.22 Public policy and lobbying

An organization can participate in public policy development, directly or through an
 intermediary organization, by means of lobbying and making financial or in-kind contributions
 to political parties, politicians, or causes. This topic covers an organization's approach to

to political parties, politicians, or causes. This topic covers an organization's approach to
 public policy participation, and the impacts that can result from the influence an organization

### 1355 exerts in such participation.

1356 Lobbying by the coal sector can result in long-lasting impacts on the economy, environment, and

- 1357 people, including local communities. In regions where coal generates significant revenue for
- 1358 governments, organizations in the sector can have undue influence over public policy discussions.
- 1359 Documented cases show how the sector has habitually donated to political parties whose policies
- 1360 favor corporate agendas, or to gain special access to politicians.
- 1361 The coal sector has actively lobbied against ambitious climate policies. These lobbying activities may
- aim to safeguard existing jobs and the livelihoods of coal-mining areas, but also to prevent meaningful
- 1363 carbon pricing, carbon budgets, or other actions to reduce <u>GHG emissions</u> that could leave coal
- 1364 assets or resources stranded. These activities sometimes contradict publicly stated corporate
- 1365 strategies or positions that support policies addressing climate change (see also Climate adaptation 1366 and resilience).
- 1367 Other lobbying activities by the sector include hindering environmental policies; blocking or amending
- Isos and topological and social assessments of projects or fair participation of all
- 1369 <u>stakeholders;</u> overturning restrictions on resource development; and supporting the lowering of
- I 370 corporate taxes and resource royalties.
- 1371 Lobbying can also be used to gain or retain government subsidies, which can result in commodity
- 1372 prices that do not reflect the full environmental or social costs of <u>products</u>. Subsidies for the coal
- 1373 sector can impede the transition to a low-carbon economy. This can consequently hinder <u>sustainable</u>
   1374 development in numerous ways, including by reducing or inefficiently allocating available national
- 1374 <u>development</u> in numerous ways, including by reducing or meniciently allocating available national
   1375 resources, increasing dependence on fossil fuels, and discouraging investment in renewable energy
- 1375 resources, increasing dependence on rossil ruels, and discouraging investment in renewable energy
- and energy efficiency, which impedes the transition to a low-carbon economy.

### 1377 What to report

I 378 If an organization in the coal sector has identified public policy and lobbying as a <u>material topic</u>, this
 I 379 section helps it determine what to report on this <u>topic</u>.

Standard	Disclosure	Ad	ditional sector recommendations
Management of the to	opic		
GRI 103: Material	Disclosure MT-3 Management of material topics	-	Report any significant issues that the organization focuses on when participating in public policy development and lobbying.
THISOL		_	Report the organization's stance on these issues as well as any differences between lobbying positions and the stated policies, goals, or other public positions.



Topic Standards disclosures		
GRI 415: Public Policy 2016	Disclosure 415-1 Political contributions	

#### 1380 **Resources and references**

1381 GRI 415: Public Policy 2016 lists authoritative intergovernmental instruments and other sources

ures inderstanding ge 82 relevant to reporting on this topic. The additional intergovernmental instruments and references used 1382 1383

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### Glossary 1385

#### 1386 Note to the GSSB: A number of defined terms are being revised as part of the review of the

GRI Universal Standards. To facilitate consistency, this glossary section will be completed 1387

1388 prior to public exposure based on the drafts of Universal Standards submitted to the GSSB for 1389 approval. No new defined terms are proposed to be added as a result of the development of

- this Standard. 1390
- 1391 Some definitions included in this glossary contain terms that are further defined in the complete GRI
- Some definitions included in this glossary contain terms that are further defined in the complete GRI Standards Glossary. All defined terms are underlined. If a term is not defined in this glossary or the complete GRI Standards Glossary, definitions that are commonly used and understood apply. Some definitions included in this glossary contain terms that are further downed in this glossary or the <u>Standards Glossary</u>. All defined terms are underlined. If a term is not defined in this glossary or the 1392
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